

ISSUED EVERY WEDNESDAY

MAY 30 1922

DRUG & CHEMICAL MARKETS

Established 1914

A Weekly Business Paper for Those Who Make, Sell, or Buy
Chemicals, Dyestuffs, Drugs, Essential and Fatty Oils

VOLUME X.

NEW YORK, MAY 24, 1922

No. 21



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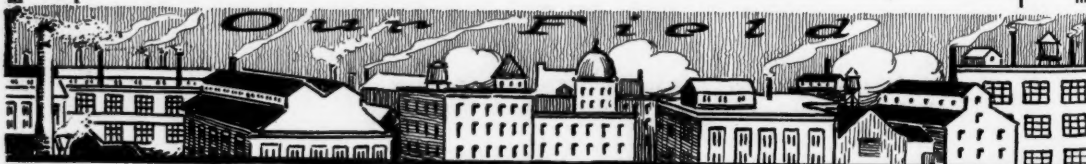
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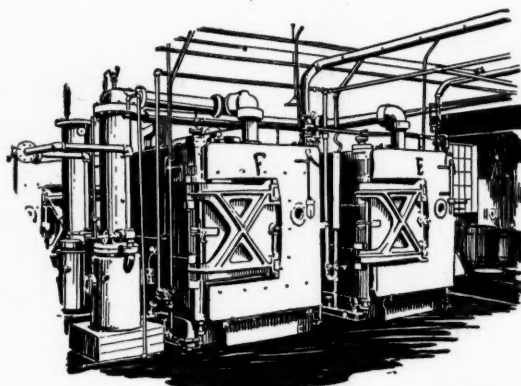
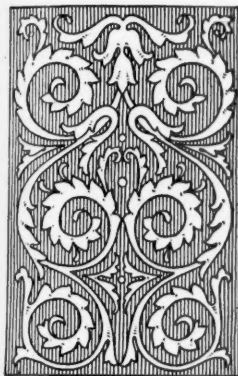
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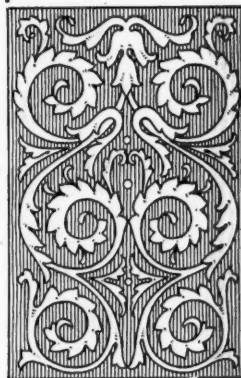
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DRUG & CHEMICAL MARKETS

3 PARK PLACE, NEW YORK

VOLUME X, NUMBER 21

[MAY 24, 1922]

THE BUYER SPEAKS

Did you buy your spring suit in a "Bargain Clothing Emporium?" Swell garments of nobbiest style, and from good goods and priced at ridiculous figures, may be purchased in stores of this kind. They are to be found in the byways of every big city in the land. And even the ridiculous figures advertised are not always maintained. A good bargainer can truly get real bargains.

Does this information tempt you to buy your next suit there? They make a specialty of "once-laundered palm beach", and June is almost here.

But have you the time to bicker for your clothes? Have you the knowledge to tell wool from shoddy and to judge values rightly? Are you so good at haggling that you are confident you could out-buy these shrewd sellers? Does not service contribute to your satisfaction and reliability to your peace of mind?

These identical reasons prompted the members of the National Association of Purchasing Agents, in convention assembled at Rochester last week, to pass a resolution advocating open prices, openly determined. It is a principle DRUG & CHEMICAL MARKETS has vigorously supported, and it is good to know that three thousand buyers for the biggest plants and factories in the country have publicly recognized its economic soundness. They appreciate the real meaning of value. They repudiate price haggling, but they are powerless to stop their price beating unless the sellers of chemicals, dye-stuffs, oils, drugs, metals, naval stores, and any other basic commodity stop their price cutting. They have called for a known price, because they do not like to buy in "Bargain Emporiums."

Shall our basic industries accept their invitation to move off Hester Street and the Bowery to a more pleasant, more respectable business neighborhood? Our only answer can be—must be—open prices, openly determined.

ESSENTIAL OIL STANDARDIZATION

At a meeting of one of the big trade associations recently, a well-known essential oil man suggested that the consumers and suppliers of these products get together with the idea of drawing up some kind of standards for the purpose of simplifying price determination and minimizing adulteration. Notoriously an industry of a thousand qualities and a thousand prices, the reduction of essential oil grades to a few standard qualities would undoubtedly work to the advantage of the consumer as well as clarify the situation for the sellers in

the matter of competition and price. To place essential oils on a basis such as chemicals, C.P., U.S.P., and the like, would aid materially in eliminating many of the present complications, but, can it be done? Authorities on both sides stand ready to back up their positions.

Chemical and physical tests, and the nose shall be the determining factors of quality, state the standardization advocates. The chemical and physical tests will undoubtedly work well up to a certain point, but what of "the nose"? Opponents of the plan query, "Whose nose?" And exactly what qualities of the nose test make the oil more or less valuable on the open market? A sample of lavender shows 35 per cent ester content and is priced at \$3.50. Upon what exactly is based the fact that another sample testing 32 per cent, may be priced at \$4.50? Can nose tests be standardized and a definite dollar and cents value be placed on character and quality of odor? It is done in the tea business. Several experts will place prices upon a number of teas which will vary for each individual one but a few cents per pound. As to "character," so are they priced. Over a period of years, they have learned to analyze the bouquet, classify it, and put a price on its quality.

As for essential oils, the plan seems to run off into almost hopeless detail and complications. One expert says an oil is adulterated; another states it is pure, but has been made from two different types of roses. A pure oil never reaches this market from Grasse, according to an authority; at least half of them are pure, counters another. And thus it goes,—a thousand and one factors come in to complicate the mind of the tester, not to mention the peculiar effect which certain labels are reputed to have on the nose via prejudice. Essential oil standardization may be a goal worth striving to reach, but it is apparent that the position of the trade today hardly warrants an attempt to do anything with it at this time, or at any time until the world-wide structure of the essential oil business is changed.

THE BUSINESS OUTLOOK GOOD

Business conditions indicate a better demand for nearly all manufactured products, although buying is light in lines affected by the tariff because dealers are not willing to make large commitments for future needs until the rates on imported goods are definitely fixed. The commercial agencies unite in reporting a better outlook, and the banks and Government departments which make

a special study of industrial conditions find evidences of renewed activity. Taking his keynote from these hopeful signs President Harding told the Chamber of Commerce of the United States that a new era is at hand, and that a revival in trade is surely coming.

Credit associations announce a change for the better in collections and this is significant of better business, and is as good a barometer of basic conditions as can be found. When retail merchants pay promptly, it means that goods are passing into consumption somewhere near the normal pace. Requests for extensions are less frequent. Unemployment is not as marked as during the close of 1921, and the Labor Departments of various states find increasing demand for labor except in seasonal industries which have passed the peak of employment, or are affected by strikes. With the settlement of the textile, paper mill, shoe manufacturing and coal strikes the country should enter upon a period of prosperity. The building situation is hampered by scarcity of material and by excessive wage demands, but an adjustment of these difficulties is probable before Fall.

A Paris chemist is under arrest for selling a remarkably curative remedy composed of water, alcohol and iron rust. He called it heliorine and attributed its marvelous action to the influence of the sun since he collected the iron rust from a lightning rod. Radio gone wrong! But wouldn't it have been a good name if he had gotten away with it?

The "Saturday Evening Post" published a story of cutting out the price-cutter, by Clarence Budington Kelland, last week. Too bad the chemical trade can't find some such simple remedy for its troubles.

The hawkers on lower Broadway are offering a thousand Austrian crowns for a quarter. We haven't heard any offers by the ton yet! It's worth a quarter to count them.

Emil Victor Kohnstamm, president of H. Kohnstamm & Co., New York, dealers in chemicals and dye-stuffs, died suddenly at the Ambassador Hotel, Atlantic City, Thursday, May 18. He was seventy years of age. Mr. Kohnstamm came from Bavaria when a boy, and entered business with his uncle, the founder of the company of which Mr. Kohnstamm later became president.

Julius H. Barnes, of Duluth, Minn., was elected president of the Chamber of Commerce of the United States at the annual convention. He succeeds Joseph H. Defrees of Chicago. President Harding said in his address before the convention that the country "at this very moment is on the threshold of a new era;" that business is reviving and the "country is finding itself."

W. G. Langford, director of the National Association of Purchasing Agents, will speak on "Buying in a Buyer's Market," at the meeting of the New York Chapter of the Salesmen's Association of the American Chemical Industry, at the Advertising Club, 47 East 25th st., on Thursday, May 25.

The Editor's Correspondence

Prices of Quinine

EDITOR, DRUG & CHEMICAL MARKETS:

With reference to your remark in your copy of the 22d of February last regarding pepper and quinine, I have been requested to circulate a memorandum along the enclosed lines.

The quinine trade has led to great manipulations which threatened the total destruction of the plantations in Java, as has happened in other countries.

In the nineties only a few European manufacturers extracted the alkaloid; they kept their purchasing price of the bark at a ruinously low level, while at the same time their finished product went sky high. This led to the erection of the Bandoeng quinine factory and in 1897 to a selling combination of the surviving Java planters as the only possible means of protection. A contract was entered into between the manufacturers and the collective planters to ensure both a paying existence and thus the continued cultivation of this indispensable drug for the world market was at least assured on Java.

The prices have been held on a moderate scale until in the course of the world war American speculators came in the market and sold at many times over the price they had to pay to the manufacturers. The Quinine Bureau of Amsterdam followed the market and is now the regulator of the price policy. The actual price of 3 sh. an ounce may not be the rock bottom value. On the other hand it is not of such a nature as to have a detrimental effect on the consumer, or to impede the use.

The Quinine Bureau called forth for necessary protection and composed of the Java planters and of the Dutch manufacturers does not intend to risk the great financial interests involved in its industry by extortionate prices.

The above serves to explain the mistake made in an article in the American press, comparing unjustly the present quinine policy with the high handed, historic methods of the East Indies Company regarding a luxurious spice some centuries ago.

J. H. MUURLING,
Netherland Indian Government Intelligence Office,
New York.

Editor's Note—The statement published in the issue of February 22d, 1922, DRUG & CHEMICAL MARKETS to which the writer refers is the following: "In 1599 the Dutch, who then enjoyed a monopoly in East Indian trade, raised the price of pepper in the English market from three to eight shillings per pound and the Lord Mayor of London called a protest meeting that resulted in the organization of the Honourable East India Company which drove the Dutch out of all India. It is a 'little lesson from history' that the quinine monopolies in Amsterdam and Batavia should reread thoughtfully."

The Federal Trade Commission has issued formal complaint against Dudley G. Gessler, dyes and dye-stuffs, Philadelphia, charging him with giving cash commissions or gratuities to textile mill operators and supervising officials of customers to secure the purchase of his commodities to the exclusion of competitors' goods.

Dr. H. H. Rusby, Dr. William H. Mann, Dr. Orlando E. White and Dr. N. E. Pearson, of the Mulford Biological Exploration of the Amazon Basin, were entertained at dinner, Wednesday night, at the Manufacturers' Club, Philadelphia, by the H. K. Mulford Co.

Trade Associations and the Law

How Far Business Organizations May and May Not Go in Keeping Within their Rights and Within the Law

By E. W. McCullough, U. S. Chamber of Commerce

TRAD E o r g a n i z a t i o n s can be conducted along lines which will meet with the approval of the consumer, as well as that of the industry. It has been done, is being done, and will continue to be done without violating in the least the laws upon our statute books, or causing the introduction of any new legislation upon the subject.

Such associations can be put together to render constructive, helpful service and be kept within the law in their activities for I am sure we are thoroughly convinced from what has transpired in business during the past four or five years that our laws and institutions must be held far above personal considerations and desire for gain. Whether or not we have such a conviction, the trend of public opinion is so strong in that direction that it will compel such a course in spite of all thought to the contrary.

The Chamber of Commerce of the United States is an organization of organizations, whose function is purely that of service to its members, and it has established world wide respect for its principles, and earned the respect and consideration of the nation's executives and its law making bodies. Its views, which are in reality the views of its constituent members, are not infrequently differed with, but nevertheless its contentions in behalf of its membership—the business men of America—have prevailed in the majority of cases.

Legislative Information

You know perfectly well what happens in the majority of cases after a representative is elected and sent to Washington. He is congratulated and forgotten, except in instances where legislation is introduced affecting seriously the personal interests of his constituency, in which event he hears from home, not from his constituency as a whole, but from individuals who want something, or whom pending legislation may affect, especially in a monetary way. In such cases the mails, wires and other means of communication were used and personal representation was sent to the capital to see congressmen. I do not mean to suggest that all such action was unfair, but it impressed President Taft that an organization, non-partisan in character, which would represent business as a whole, gather fairly facts and information concerning legislation and present same to the members and committees of Congress and to our executive with the majority view obtained in an unbiased manner, would be highly desirable. He saw that with such an organization it would be possible to investigate impartially both sides of every problem, secure the facts and place all cards on the table concerning them, and that such service would be invaluable. This President was instrumental in having a meeting called of business men and their organizations, which led immediately to the

At the recent organization meeting of the Chemical Equipment Manufacturers' Association held in New York, the accompanying paper was read by E. W. McCullough, chairman of the committee on fabricated production of the Chamber of Commerce of the United States. Years of broad experience with trade associations make Mr. McCullough's comments well seasoned and valuable.

formation of our present association, the Chamber of Commerce of the United States of America, which has ever since functioned effectively along the lines of the original design, although its machinery and equipment have been constantly enlarged and improved.

At the present time its organization membership consists of approximately 1,400 local chambers of commerce, boards of trade and trade organizations, with about 20,000 associate and individual members, which compose an underlying membership of between six and seven hundred thousand men in business. About one-third of its organization membership consists of trade associations. In the whole ten years of its existence no question has ever been raised as to its legal status, nor concerning its rights in any of its activities.

Anti-Trust Laws and Associations

Perhaps a word will not be amiss here as to some questions which have been raised with reference to the activities of certain organizations and their acts which have been charged as being contrary to law. The principal anti-trust law was the Sherman Act, in existence for the past twenty-five years, followed later by the Clayton Act, and these two constitute what is known as our trust or restrictive business legislation. The theory on which these laws are based is that free and unrestricted competition should obtain in all commercial or business transaction and that anything that acts as a restraint is "per se" unlawful and will not stand.

While it is claimed by some that the statute should be clearer than at present as to what constitutes a restraint, yet it is the testimony of members of the Federal Trade Commission that in all the cases prosecuted by them those who committed the acts complained of have not set up and maintained successfully that they did not know their acts were producing a trade restraint and were proscribed by law. In most instances these restraints had to do largely with the controlling of prices and production. It would be exceedingly difficult for any government department or authority to enumerate specifically and comprehensively activities in which trade organizations might or might not indulge, for those entirely lawful in themselves might readily be used for ulterior motives and thus transgress. However, it is easy for an association bent on rendering the greatest amount of constructive service to its industry and membership to avoid such activities as would cause them to violate the law or bring them within the twilight zone. The primary purpose of such an organization should be to do for the industry through collective action the things not possible or easy to do by individual action.

I might enumerate hundreds of worthwhile activities, but the point I desire to make is that a trade

organization may operate today as freely as ever and render constructive service to its industry without hindrance as far as the law or the government is concerned. The difficulty with so many contentions for greater liberty is that it is not liberty which is sought, but privilege, and too often at the expense of others. I do not wish to convey the thought, however, that there might not be a general, and better, interpretation of the status of trade associations, both as to the government and in the minds of the public, and this end is worth while striving for.

Commercial Statistics Needed

In business today we are woefully lacking much important information which we should have. This is evidenced even by a casual investigation of the ability of our Department of Commerce to supply live facts and figures concerning the status of even the ordinary lines of commodities, on which our commerce as a nation so largely depends. The present Secretary of Commerce has voiced a need for such information on many occasions and has earnestly striven to improve these conditions, but it is up to the industries themselves to help make his success possible. He has voiced his desire that each industry should have an association and that that association should equip itself to act as a mouthpiece for the industry when called upon to produce dependable information concerning its line of trade. The fact that some of the organizations have been doing this successfully for a number of years is proof that others can do equally well.

Definite Aims Essential

I cannot emphasize too strongly the need of building every trade organization on a sound basis, and by this I mean that there should be a well thought out declaration of objectives and principles set forth in its constitution and by-laws or articles of incorporation, which may serve as a guide to new officers or administrations taking up the work from time to time. Too often in the past associations have been formed on the broad declaration that they are to "advance the interests of the industry," and later under some ambitious administration have drifted into activities and pursued courses of which the founders had no conception. The same ideas which the writers of our federal Constitution had in providing certain objectives and rules of conduct to guide us as a nation should prevail in founding our trade associations, for these organizations, I am confident, will cut a greater figure in business of the future than they have in the past. While they will continue to render service to the individual members, in their actions as organizations they will serve the industry, and this will emphasize the need of carefully building the vehicle which is to speak for an industry on many important occasions.

Efficient Officers Necessary

In the selection of executive officers great care should be exercised. Especially is this true of the general manager and secretary, who should be a man intimately familiar with the industry, educated, tactful, and of good judgment, bearing in mind that his function is not clerical but executive. He may often be called upon to exercise judgment that will determine success or failure of your undertakings and, therefore, should not be of lower grade in intelligence and equipment than the men you place on your directorate. He more frequently represents the organization than any other officer because of continuity of office and should be compensated in keeping with his responsibilities. He is an asset or liability to his organization from the moment he takes office, and I cannot suggest too strongly the importance of his selection.

In a word I would also emphasize the desirability of having an organization represent completely the entire industry, or as nearly so as possible. If an association includes in its membership from 70 to 90 per cent of the production in a given line, it will be capable of presenting facts and figures which will reflect the trend of any activity in that industry and may be considered truly representative. This does not mean that a small organization may not be efficient and valuable, but it should strive to increase to the point suggested to be most effective.

Publicity Potent Factor

Publicity is a fairly new factor in association work, but an important one and should be strenuously cultivated, for the greatest success is attained in all co-operative work by the willingness to give up. It is sadly needed today with reference to commercial statistics regarding capacities, production, stocks, and distribution, but we are going to have a countrywide campaign of education along that line soon.

Another valuable advantage gained by organization is the contact made possible with other organized efforts of interest and value to your industry generally, such as engineering, traffic, foreign trade, research, industrial relations, organizations, etc. Much time and money are saved by affiliation and co-operation and ing duplication of effort.

I could continue at some length to recite further gains and advantages accruing from co-operative organizations, but what I have given you is typical and the needs of your industry will supply the rest. An association is simply a vehicle whose carrying capacity is limited only by its lawful and proper use.

C. C. Adsit, executive engineer of the Georgia Railway and Power Co., told the American Society of Mechanical Engineers, at Atlanta, that the Southeastern states have many water power sites with greater commercial possibilities than Muscle Shoals.

C. Wilbur Miller, president of the Davison Chemical Co., manufacturers of sulfuric acid, Baltimore, sailed for Europe, last week, in company with John Reach, of England, who seeks the use of a Davison company product used in refining oil.

F. M. Bauer, vice-president of Pfaltz & Bauer, New York importers, will sail for Europe on June 3d aboard the New Amsterdam, making his usual annual visit to the firm's principals abroad.

Payson Merrill, a manufacturing chemist of New York, and John B. F. Bacon, a chemical engineer of Detroit, were business visitors in San Francisco recently.

Bernard Fenster, secretary of Geo. F. Taylor & Co., 90 West st., sails for Europe on the Mauritania, June 6, for a three months' business trip.

P. E. Anderson, president of Anderson-Hillier Co., crude drug dealers, has returned from a week's business trip to Chicago and Detroit.

The Ohio State Eclectic Medical Association gave a dinner in honor of John Uri Lloyd at the Hotel Gibson, Cincinnati, on May 16.

Charles V. Sparhawk has returned from a trip to Junction City, Ky., where he investigated the production of sassafras oil.

E. C. Stevens, president of the Wood Products Co., Buffalo, sailed on May 23rd for a three months' business trip in Europe.

Hine Bros., formerly of 80 Maiden Lane, New York, are now located at 5 Cedar st.

CHEMICAL AND DYE RATES UNDER FIRE

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., May 24.—The Senate left the chemical schedule of the tariff bill and went on to Schedule No. 2, earthenware, last week, but on Monday the upper House again returned to the chemical schedule and an agreement was reached to take up the controversial dyestuff sections on Wednesday. The Senate agreed to the following rates in the sodium schedule: Chloride or salt in bags, sacks, barrels or other packages, 20 cents per 100 lbs.; in bulk, 16 cents per 100 lbs.; chromate or bichromate $1\frac{3}{4}$ cents per lb.; formate, 2 cents per lb.; sodium arsenate, 1 cent per lb.; bicarbonate or baking soda, $\frac{1}{4}$ of 1 cent per lb.; bromide, 8 cents per lb.; carbonate, calcinated or soda ash, hydrated or sal-soda and monohydrated, $\frac{1}{4}$ of 1 cent per lb.; chlorate, $1\frac{1}{2}$ cents per lb.

The duty on lead bullion and alloys and combinations of lead was fixed at $2\frac{1}{8}$ cents on the lead content and the duty on lead sheets and wire at $2\frac{3}{8}$ cents a pound.

Amendments offered from the Democratic side to reduce the rates on the following products to $1\frac{1}{2}$ cents a pound were rejected and the following rates were agreed upon: Litharge, $2\frac{1}{2}$ cents a pound; orange mineral, 3 cents a pound, and white lead, $2\frac{1}{2}$ cents a pound.

The rate on blue pigments was fixed at 8 cents a pound; on ultramarine blues the duty was reduced from 4 to 3 cents a pound. The House rate of 20 per cent ad valorem on bone black was approved.

The House fixed a rate of \$4.00 a ton on crude barytes ore and \$7.50 a ton on manufactured products of barytes. The Senate Finance Committee increased these rates to \$5 and \$10. The basic rate fixed in the Payne-Aldrich bill was \$1.50 a ton. This section, owing to controversy, was withdrawn temporarily.

Senator Ladd introduced an amendment last week to the vegetable oil section of the bill striking out the proviso that such oils may be imported under bond with remission of duties paid if it is established to the satisfaction of the Secretary of the Treasury within three years that the imports have been used in the manufacture of products unfit for human food.

Senator Johnson of California demanded a duty of 20 cents a pound on citric acid to permit Pacific Coast lemon growers to compete with Italian growers who are receiving government assistance. The rate fixed by the Senate Finance Committee was 16 cents a pound. The Johnson amendment was rejected by a vote of 31 to 28.

Senator Harreld will offer an amendment for a rate of 25 cents a barrel on fuel oil and 35 cents a barrel on crude oil.

A duty of \$1.50 per ton on sand used in making fine grades of glass was approved by the Senate after a fight in which Senator Jones, Democrat, New Mexico, opposed any duty. Senator Frelinghuysen supported the committee rate.

The secretary of the Association of Medical Aid for Russia is sending an appeal for supplies to manufacturers and dealers in medical, surgical and hospital supplies. The offices of the Association are at 103 Park ave., New York, and the warehouse at 73 Washington st., Brooklyn.

The Southern Pacific Co. has announced a reduction in freight rates on ink, mucilage, paste and liquid glue from California to Eastern points as soon as Eastern lines concur. The reduction will amount to about 33 per cent.

BUYERS ENDORSE OPEN PRICES

Purchasing Agents' Association Calls on Producers of Basic Commodities to Publish Prices—Resolutions Passed Advocating Standard Containers, Sales Contracts and Invoices—Commercial Bribery Condemned

(Special to DRUG & CHEMICAL MARKETS)

Rochester, N. Y., May 20.—In an effort to check indiscriminate price-cutting on such basic commodities as chemicals and to promote buying on the basis of true value and service, three thousand buyers for the country's biggest industrial plants have gone on record as advocating the prompt and accurate publication of price and other market information. A resolution to this effect, calling on manufacturers of all basic commodities to make known their prices through disinterested mediums of publicity for the mutual benefit of both buyer and seller, was introduced at the Wednesday morning session of the annual convention of the National Association of Purchasing Agents held in this city during the past week.

This open price resolution was made by a member of the Executive Committee following an address by Williams Haynes, of New York, publisher of DRUG & CHEMICAL MARKETS, on "The Menace of Price Buying."

After pointing out the great industrial importance of chemicals and noting some of the economic peculiarities of the chemical industry, Mr. Haynes showed the dangers to all American business that grow out of price bargaining for basic wares. The members gasped indignantly when he declared that buyers are today price pirates.

"But," the speaker continued, "the fault does not lie wholly with the buyer. When a seller quotes a dollar publicly and is willing to sell privately for sixty cents, the purchasing agent is forced willy-nilly to haggle and bicker lest his competitor buy his supplies not for sixty, but for fifty cents. The producers themselves are equally to blame for not having a real price and living up to it. The big, unfortunate fact is that if you buy your chemicals, metals, oils, naval stores, rubber, furs, cotton, wheat, lard and other basic commodities below the cost of producing them, not only will the key industries that do produce them suffer, but the manufacturing industries you represent must some day make good their losses, and in the end the public, the American people will have to pay. There is but one permanent, safe cure for the haggling market, open prices, openly determined and openly and promptly published for the information of both seller and buyer."

Besides the Open Price Resolution, the Association passed important resolutions on the standardization of containers, contracts and invoices, the coal strike, and took a firm stand against commercial bribery. The convention, which was attended by 1,200 members, was one of the most successful of this growing association.

CHEMICAL EXPOSITION SEPT. 11-16

The 8th National Exposition of Chemical Industries will be held this year in the Grand Central Palace, New York City, during the week Sept. 11-16 inclusive. It will follow immediately upon the Fall Meeting of the American Chemical Society. The managers report that three full floors of the Grand Central Palace are already taken for the Exposition and part of the fourth. There are at this time 350 exhibitors who have contracted for their space locations.

TRONA POTASH SUIT COMES TO TRIAL

(Special to DRUG & CHEMICAL MARKETS)

Baltimore, May 24.—The suit instituted in the Superior Court, Baltimore, by the Hubbard Fertilizer Co. against the Trona Corporation of California, for damages, growing out of a transaction dating back to 1918, when the Hubbard Company entered into an arrangement with the Trona Corporation of Searles Lake, Cal., for 10 car loads of potash, has at last come to trial. The Hubbard company agreed to take the potash on the guarantee, it is said, that the material contained nothing of a deleterious character. The ten carloads were shipped to the Hubbard company's plant at Searsport, Maine, and used in the manufacture of a potato mixture.

The material was distributed by the Hubbard company among its farmer-customers in Maine, but it was found subsequently, according to the plaintiff, that the potash held over 10 cent of borax in unrefined form, which acted like a caustic, injuring the roots of the potato plants and practically ruining the crop, with the result that the farmers who had used the mixture threatened suits against the Hubbard company. When the contentions of the farmers were ascertained to be well founded, it is alleged, the Hubbard company sent representatives to see the growers, effecting a compromise with them and paying for what was considered an average crop of potatoes. A total of about \$323,000 was paid in cash by the Hubbard company.

The Hubbard company brought suit against the Trona Corporation and attached about \$40,000 worth of the Trona company's potash in Baltimore, hence the trial of the case in this city.

RECENT DIVIDEND PAYMENTS

Directors of the Texas Gulf Sulphur Co. increased the quarterly dividend on the capital stock from 50 cents to \$1 a share. The dividend is payable June 15 to stock of record June 1. H. F. J. Knobloch, treasurer, says in connection with the declaration "Stockholders will be advised later as to what portion of this distribution is from free surplus and what from reserve for depletion, and the company has been advised that the portion from reserve for depletion is probably not subject to Federal income tax."

The Chesebrough Manufacturing Co., Consolidated, has declared the regular quarterly dividends of \$3.50 a share on its common and of \$1.75 on its preferred stock, payable June 30 to holders of record June 10.

The directors of the International Salt Co. have declared the usual quarterly dividend of 1½ per cent, payable July 1, to holders of record June 15.

The American Sugar Refining Co. has declared a quarterly dividend of 1¾% on its preferred stock, payable July 3 to holders of record June 1.

The National Lead Co. has declared the regular quarterly common dividend of 1½ per cent, payable June 30 to stock of record June 18.

The Friedlander Supply Corp., 400 Smith st., Brooklyn, specializing in laundry supplies, has opened a branch office and warehouse at Wolff and Swanson sts., Philadelphia, where the company will carry a large stock of the Eagle Thistle products of the Mathieson Alkali Works.

The Kleanshine Co. has purchased a factory site at Richmond, Cal., and will erect a plant for the manufacture of automobile polishes. The company is composed of J. A. Deadrich, Jr., T. A. Deadrich, L. H. Deadrich, Tom Nixon, J. M. Hubbard, A. A. Webber and D. Willis.

Books of Trade Interest

NOSTRUMS AND QUACKERY. By Arthur J. Cramp, M.D., director of the Propaganda Department and Bureau of Investigation of the Journal of the American Medical Association. 8 vo., 832 pages. Vol. II. Published by the Press of the American Medical Association, Chicago.

Another expose volume, attacking a long list of patent medicines, and physicians guilty of malpractice,—as stated in the title page of the book, the work covers "Articles on the nostrum evil, quackery, and allied matters affecting the public health, reprinted with or without modifications from the Journal of the American Medical Association."

This is the second volume of "Nostrums and Quackery", the first having been published in 1911, following the campaign started in 1905 by "Collier's Magazine." The present work is undoubtedly a fair attempt to place before the medical profession and the public, the composition, claims, and sales methods in marketing a number of "patents". The severity of the general arraignment, however, is likely to attach a stigma in the eyes of medical men, especially, to all patent preparations, and thus unintentionally endanger the reputations of numerous perfectly ethical and recognized articles in use today. As for the proven fakers and quacks, the good which can be done through a book of this type is inestimable, if it could only in some way reach the prospective victims in large numbers.

THE CHEMISTRY OF COLLOIDS. By W. W. Taylor, Lecturer in Chemical Physiology at the University of Edinburgh. Second Edition. 8 vo., 332 pages. Longmans, Green & Co., New York. 1921.

The present book was written with the idea of supplying the advanced student of science with a reasonably comprehensive exposition in English of the subject of colloids, their properties, preparation, and functions. The works previously extant on the subject were generally fragmentary, dealing only with particular aspects of the subject and it remained for Dr. Taylor to bring out the first book in English which was at all comprehensive. The second edition has now been published in essentially the same form as the first but with a few amplifications to cover the developments of the past six years since the first edition appeared. The chapters on the industrial applications of the theory of colloids is especially interesting. The book is comprehensive but by no means exhaustive of the subject.

INVESTMENT ANALYSIS. By Walter Edwards Lagerquist, Professor of Finance, Northwestern University. 8 vo., 792 pages. Published by MacMillan Co. New York.

The author goes rather deeply into the basic points in the analysis of securities for investment purposes. The book is primarily a study of the methods of determining whether or not an investment, from a thorough study of the data gathered, is likely to be a safe and profitable one. Included in the work are classification of securities, analyzing corporation reports, investment yields, market influences, securities and taxation, a long study of various types of bonds, mortgage and real estate investments, and, United States and other Government bonds. The work is detailed and goes into the various divisions thoroughly, using numerous illustrations from corporation reports.

INDEXING, A HANDBOOK OF INSTRUCTION. By George E. Brown, Editor of the British Journal of Photography. Preface by E. Wyndham Hulme, former Librarian of the Patent Office. Published by the H. W. Wilson Co., New York.

The volume is a guide to the best methods of arranging indexes printed as part of a book. The various ways of showing the contents of a publication are explained and illustrated. The styles of type used are discussed.

QUOTATIONS ON CHEMICAL STOCKS

	Bid	Asked		Bid	Asked
Alr Reduction	53	53 1/4	H'k Electro	55	65
Allied Chem. & D.	67 1/2	68	H'k Electro, pf.	60	70
*Allied Ch. & D., pf. 106 1/2	107		Int. Agricult.	11	12
*Am. Ag. Ch.	37 1/2	38	Int. Agricult., pf.	40	41
Am. Ag. Ch. pf.	64	65	*Int. Nickel	18	19
Am. Chiclé	12	12 1/4	*Int. Nickel, pf.	78	81
Am. Chiclé, pf.	35	40	*Int. Salt	50	60
*Am. Cot. Oil.	36	27	K. Solvay Alk.	20	30
*Am. Cot. Oil, pf.	57	58	Merck & Co., pf.	73	77
Am. Cyan.	15	20	Merrimac	77	79
*Am. Cyan., pf.	38	45	Mulford Co.	45	50
*Am. Druggists S.	5 1/2	6	Mutual Co.	150	
Am. Glue	40	45	*National Lead	95	95 1/2
Am. Glue, pf.	65	70	*National Lead, pf. 109	110	
*Am. Linseed	35	35 1/4	N. J. Zinc	144	146
*Am. Linseed, pf.	55	56	Niag. A., pf.	96	100
*Am. Malt	12	13	Parke, Davis & Co. 89	90	
*Am. Zinc	19	19 1/4	Penn. Salt	65	67
*Amer. Zinc, pf.	46	47	People's Gas, Chi.	81 1/2	82
Atlas Powder	123	127	Procter & Gamble. 124	128	
Atlas Powd., pf.	79 1/2	81 1/4	Procter & Gam., pf. 102	106	
British Am. Chem.	1		Rollin Ch.	80	80
By. Prod. Co.	57	65	Rol. Ch., pf.	80	90
Carborundum	135	135 1/2	Royal Bak. Po.	103	110
Carborundum, pf.	118 1/2	116	Royal Bak. Po., pf. 92	94	
Casein Co.	90	95	Sherwin-Williams ..	24 1/2	25
Celluloid Co.	104	104 1/2	Sherwin-W., pf.	93	97
Celluloid Co., pf.	111	112	Stand. Ch.	90	100
Ches. Mfg.	200	205	Swan & Finch	30	34
Ches. Mfg., pf.	109	112	*Tenn. C. & Chem.	12	12 1/2
*Corn Products	100	100 1/4	Tex. Gulf. Sul.	42 1/4	43
*Corn Products, pf. 116	118		Union Carbide	57 1/2	58
*Davison Chem.	59	60	Union Sulphur		
Dow Chem.	200		*Un. Drug	79 1/2	80
Dow Ch., pf.	103		*Un. Drug, 1st pf.	45	45 1/2
Du Pont	112	115	*Un. Dyewood	31	38
Du Pont, pf.	79	81	*Un. Dyewood, pf.	94	96
Du Pont Chem.	18		Un. Gas, Imp.	38	39
*Freeport, Tex. Sul. 21	22		Un. Gas, Imp., pf.	50	51
*Freeport, Tex. Sul. pf. 91	93		U. S. Gypsum		
Grasselli	130		*U. S. Indus. Al.	53	53 1/2
Grasselli, pf.	100	101 1/4	*U. S. Indus. Al., pf. 94	95	
Hercules Powder.	154		*Va.-Car. Ch.	31	31 1/2
Hercules, Powd., pf. 98	100		*Va.-Car. Ch., pf.	72 1/2	74
Heyden Chem.	1	1 1/4	*V. Vivaudou	12 1/2	13

*Listed on New York Stock Exchange

NEW VIRGINIA-CAROLINA BOND ISSUES

Issues of \$35,000,000 in bonds of the Virginia-Carolina Chemical Co. have been underwritten by Wall Street bankers. One of the new issues is \$22,500,000 first mortgage twenty-five year 7 per cent sinking fund gold bonds, due June 1, 1947, which will be offered at 98 3/4, to yield about 7.12 per cent. The other issue is of \$12,500,000 fifteen year 7 1/2 per cent, convertible sinking fund gold bonds. The syndicate includes Blair & Co., Inc.; Hallgarten & Co., the Equitable Trust Company and the Chase Securities Corporation.

The new financing will provide for the purchase or retirement at or before maturity of all the company's existing funded obligations and will supply additional working capital. The total authorized amount of the first mortgage bonds is \$35,000,000, of which it is proposed to issue at present \$22,500,000. They are to be secured by a first mortgage on all the company's physical properties and will be further secured by the deposit of the entire \$10,000,000 capital stock of the Southern Cotton Oil Co., and the stock of other subsidiaries.

The Mathieson Alkali reports net profits of \$151,667 for the first three months of 1922, as compared with a loss of \$61,571 for the corresponding period of 1921. These figures allow for depreciation reserves of \$133,506 and all charges, and are at the rate of \$600,000 per annum. The value of sales for the first quarter this year was \$1,418,291, as against \$683,858 for the first three months of 1921, while cost of sales stood at \$1,132,288, as against \$625,529 last year. The cash position of the company has improved and bank loans are steadily being reduced. Bank loans now amount to \$750,000 and it is expected that before the end of this month another reduction of \$100,000 will be made.

AMERICAN SMELTING FIGHT CONTINUES

Election of a board of directors which will be independent of the Guggenheim interests is recommended in a majority report of a stockholders' committee of investigation of the American Smelting & Refining Co.

The majority condemn "the policy of paying large dividends during the years of very profitable business and not making sufficient addition to capital reserves" and declare that certain transactions complained of are "subject to criticism." The minority members of the committee urged the re-election of the present management, setting forth that its elimination from the control of the company "would be a disaster."

Clarence H. Kelsey, Henry K. Pomroy and Willis D. Wood, who signed the majority report, together with Erskine Hewitt and Charles F. Rand, have constituted themselves a committee to receive proxies from stockholders who wish to "secure a wholly disinterested board to represent their interests." Henry Evans, who acted as chairman of the committee of inquiry, is not a member of the proxy committee.

The present management of the company has also sent out its usual call for proxies to be voted by Simon Guggenheim, Edwin C. Jameson, Wilfred Shore, William Loeb, Jr., and F. H. Brownell.

A block of E. I. du Pont de Nemours & Co. common stock has been purchased by Dominick & Dominick, from one of the large stockholders of the company. It is understood that this stock will be offered to the public by a selling group.

Jaburg Bros., wholesale drugs and bakers supplies, have obtained judgment for \$122.30 against the Adelphi Hotel.

The White Tar Aniline Corp. has obtained judgment for \$581.70 against the Neura Paper Co., Inc.

Innis, Speiden & Co., obtained judgment for \$196.25 against Benjamin Markovitz.

New Incorporations

J. Landowner Co., Brooklyn, capital \$25,000. To make perfume boxes. J. Landowner, J. Franks, C. Bloom. Attorney, J. M. Schoenfeld, 299 Broadway, New York.

Crow Chemical Co., Irvington, N. J., capital \$100,000. Walter Runge, Major C. B. Runge, Orange, N. J., Joseph Walsh, Elizabeth, N. J.

International Carbon Corp., Wilmington, Del., capital \$32,500,000. Incorporated by the Corporation Trust Co. of America.

U. S. Export Phosphate Co., Wilmington, Del., capital \$1,750,000. Incorporated by the Corporation Trust Co. of America.

Frank J. Hubley Corp., Philadelphia, capital \$100,000. Laboratory supplies. Incorporated by the Corporation Guarantee and Trust Co.

Miller-Liszka Corp., Queens Borough, N. Y. City, capital \$10,000. Chemists. O. W. Swift, J. C. Williams, F. W. Kristeller. Attorneys, Watson, Kristeller & Swift, 68 William st., New York.

Belmenbry Co., Wilmington, Del., capital \$200,000. Cottonseed oil mills. Incorporated by the Corporation Service Co.

American Analytic Laboratories, New York. Attorney, J. Koopman, J. S. Thatcher. Attorney, J. Koopman, 17 E. 38th st.

Universal Distiller Distributing Corp., New York, capital \$25,000. To deal in whisky. H. Randel, H. Roth, F. Chestman. Attorney, J. S. Rosenthal, 1133 Broadway.

Gainesville Lime Rock Co., Gainesville, Fla., capital \$100,000. Florida Coconut Syrup Co., Miami, Fla., capital \$100,000.

Equity Specialties Co., New York, capital \$9,000. Druggists sundries. I. S. Hannes, D. Shultz, D. Friedman. Attorney, M. Quasha, 261 Broadway.

Dudley Vought Corp., Wilmington, Del., capital \$100,000. Toilet articles. Incorporated by Colonial Charter Co.

Frankfort, Davies & Co., Pittsburgh, capital \$250,000. Chemicals. Incorporated by Capital Trust Co. of Delaware.

Fi-Bestos Co., Dover, Del., capital \$100,000. Asbestos products. David T. Lotwin, Joseph Sandler, Nathan Frankel, New York. Attorneys, Boyce & Magee, Dover, Del.

The Heavy Chemical Market

Current Spot Quotations of Heavy Chemicals, Pages 1212-1213

IMPORTED PRODUCTS ADVANCE SHARPLY

Prussiates of Soda and Potash, Potassium Carbonate and Sodium Chlorate Higher—Sodium Nitrate Declines in Spot Market—Delay in Tariff Handicaps Trade

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced

Acid Oxalic, ½ c. lb.	Arsenic, ¼ c. lb.
Copper Sulfate, ¼ c. lb.	Potassium Carbonate, ¼ c. lb.
Potash Prussiate, Yellow, 2c. lb.	Sodium Chlorate, Imp., ½ c. lb.
Soda Prussiate, 3c. lb.	

Declined

Sodium Nitrate, 5c. cwt.

Trend of the Market

	Today	Last Week	Last Month	Last Year
Acetic Acid, Glacial.....lb.	\$.08½	\$.08½	\$.08½	\$.11
Sulfuric Acid, 66 deg.....ton	14.00	14.00	14.00	18.00
Bleaching Powder, Works.....100 lbs.	1.60	1.60	1.60	2.40
Copper Sulfate.....100 lbs.	\$.95	\$.50	\$.50	\$.25
Potash, Caustic.....lb.	.06	.06	.06	.05½
Saltpetre, gran.....100 lbs.	.07¾	.07¾	.07¾	.09¾
Soda Ash, 58 p.c.....100 lbs.	1.80	1.80	1.80	2.25
Caustic Soda, 76 p.c.....100 lbs.	3.85	3.85	3.65	3.85
Potassium Bichromate.....lb.	.10	.10	.10	.12
Average	3.046	2.996	3.056	3.571

Further advances are recorded in importers' prices and the general tone of the market is firmer. Domestic producers have advanced copper sulfate and oxalic acid. Imported prussiates of soda and potash are sharply higher. Potassium carbonate and sodium chlorate are higher from importers. Sodium nitrate has declined still further in the spot market. Consumers are showing more confidence in the market both here and abroad, but there is much dissatisfaction with the continued delay in the tariff proceedings.

Acid, Acetic—Still weak. Makers name prices over a range. The basis for carlots is \$2.25@2.37½ for 28 per cent in carlots of barrels. Glacial is to be held at 8c @11½c per pound in carlots in barrels as to seller. Demand very slow.

Acid, Mixed—No change from recent firmness. Drums at 7½c@8c per unit of nitric and 1c@1¼c per unit of sulfuric at works. Tank cars at works 7½c@8c per unit of nitric and 1c per unit of sulfuric.

Acid, Muriatic—Business reported increasing. Prices still vary among makers. Quotations on 20° in carlots of carboys at \$1.10@\$1.50 as to maker. Other strengths at proportionate prices.

Acid, Nitric—Routine business on firm prices. Basis quoted, \$5.00@\$5.65 per hundred for 38° in carlots in carboys as to maker.

Acid, Oxalic—Makers have advanced prices still further. Works prices 14c in barrels against 14½c spot. Nothing better at present.

Acid, Sulfuric—Makers quote firm on increasing demand for 66° at \$14@\$16 per ton in tanks at works as to location. The 60° strength is less active but unchanged at \$9@\$11 as to maker in tanks at works.

Alums—Fair demand at firm prices. Ammonia lump at 3¼c@3½c in barrels, carlots and less. No imported. Domestic potash lump at 4¼c@4½c same basis against imported at 3¼c@3½c. Ammonia and potash chrome alums at 6½c@7c.

Ammonium Bifluoride—Importers quote 22c spot. Makers quote 22c@28c as to brand.

Arsenic—Firm at 7¼c@7½c. Little or none to be had below this for the present. Demand routine.

Barium Chloride—Steadier. Imported nominally \$105 but might be had at \$102 in some directions. Makers offer nothing immediate but quote June deliveries at \$100.

Barium Carbonate—No further advances as activity has decreased. Imported at \$65@\$70 and domestic at \$75@\$80.

Barium Nitrate—Makers name 9¾c@10c against 7c @7¼c from importers.

Bleaching Powder—Still very weak and unsettled. Quoted basis \$1.50@\$1.60 for contracts at works.

Copper Sulfate—Increased demand and firmer copper have forced advances in copper sulfate. Prices now quoted firm at \$6.00@\$6.10 in carlots or barrels delivered nearby.

Manganese Chloride—Firm at 9½c@10½c.

Nickel Salts—Single and double nickel salts are quoted at 8c@9c by makers in barrels. Fair demand noted.

Potassium Binoxalate—Quoted at 35c@38c on a firm basis.

Potassium Carbonate—Firm. Calcined 80-85% at 4¾c@5c and hydrated at 6c@6½c. Calcined 96-98% at 6¾c@8c as to seller and quality.

Potash Prussiate—Red nominal at 65c. Yellow advancing on higher costs abroad and increased demand in all markets. Nothing better than 31c@32c on limited supplies here now. Shipment prices even higher.

Soda Ash—No changes. Contracts at \$1.20 basis 48% in carlots in bags at works. Spot at \$1.80@\$2.10 flat in bags.

Soda, Caustic—Spot very firm at \$3.85@\$3.90 flat. Export demand continues. Contracts at works in carlots basis 60% at \$2.50.

Sodium Chlorate—Makers hold firm at 6¾c@7c in ten barrel lots. Importers quote higher at 6c on advances abroad.

Sodium Nitrate—Spot stuff is weaker and quotations are lower at \$2.65@\$2.70 per hundred in bags. Shipment prices are also lower with \$2.25 for fall delivery.

Soda Prussiate—Yellow continues to advance on higher prices and scarcity abroad. Nothing over the week end could be had below 23c@23½c from limited spot stocks. Shipment could not be had from foreign makers sooner than fall.

Strontium Nitrate—Importers firmer at 9¾c@10c. Makers name 12c@14c as to quantity.

Metals

Copper has advanced sharply during the week to 13¾c@14c for lake and electrolytic and 13c for casting. Lead is higher at 5½c. Tin is firm 31c for Straits and 30½c for American standard. Soft platinum is easier at \$85 per ounce. Zinc slabs on the Exchange are firmer at 5½c.

The Virginia-Carolina Chemical Co. is to build a fertilizer plant at Charlotte, N. C.

Heavy Chemical Notes

Eugene H. Wolff, Illinois Zinc Co., was re-elected president of the American Zinc Institute at its recent meeting in St. Louis.

The market for barium compounds has been rather a disappointment to those who expected prices to follow the recent advance of the chloride.

The Massachusetts Experiment Station says that up to July 1, 1921, Massachusetts farmers purchased 61,013 tons of commercial fertilizer worth approximately \$3,580,000.

W. F. Donohoe, Philadelphia, sales manager of the pigments and heavy chemical division of E. I. du Pont de Nemours & Co., is on an extensive business trip in the West.

Last week's imports included 122 casks of aluminum sulfate, 93 casks of barium carbonate, 30 casks of barium chloride, 225 packages of bleach, and 520 casks of lithopone.

Advancing copper prices have forced the Nichols Copper Co. to advance their price on blue vitriol $\frac{1}{2}$ c per pound. Some factors in the metal trade look for still further advances.

The fertilizer plant of Robert A. Reichard, Allentown, Pa., has been acquired by Harry H. Shisler and associates for \$30,500. The new owners will organize a company and operate the works.

Zinc exports during the first quarter of 1922 amounted to some 9,508,357 pounds compared with 3,869,831 pounds exported during the preceding six months. January exports totaled 706,000 pounds, February, 1,354,000 pounds, and March 7,452,000 pounds.

The new nitrate prices published in DRUG & CHEMICAL MARKETS, May 17, were named by the Nitrate Association of Chile, but were cabled via London to William S. Myers, New York, which gave the impression that the information came from the British Nitrate Association.

Polhemus Lyon, for 25 years in charge of the ores and metals division of H. W. Peabody & Co., in Cape-town, South Africa, died recently at the age of 70. He was universally well liked in his trade and leaves a host of friends. The ores and metals division will be consolidated with the chemical division under R. C. Anthony at 17 State st., New York.

Prussiates are in a very tight position, partially on account of speculative interest but primarily on account of increased buying interest from continental Europe. Germany has nothing to offer and English makers are sold well up into the fall. Resellers here are naming their own prices as nothing is to be had except through them.

Figures obtained from producers by the United States Survey show that the total production of metallic cadmium in 1921 was 65,101 pounds, a decrease of about 50 per cent, as compared with the production in 1920. On the other hand, the production of cadmium sulfite in 1921 amounted to 55,446 pounds, an increase of 33,313 pounds or more than 100 per cent over the production in 1920. The value of the metallic cadmium produced was \$63,799 and that of the cadmium sulfite was \$71,336 making a total value of \$135,135, as compared with \$188,535 in 1920, a loss of 28 per cent.

SUCCESSFUL BIDDERS FOR NITRATE

The War Department announces awards of bids for the sodium nitrate recently offered for sale, as follows: Trojan Powder Co., Allentown, Pa., 200 tons, at \$41.20; G. F. Taylor, Inc., New York City, 200 tons, at \$41.20; Senior Powder Co., Cincinnati, Ohio, 100 tons, at \$40.70; King Powder Co., Cincinnati, Ohio, 500 tons, at \$40.50; Senior Powder Co., Cincinnati, Ohio, 100 tons, at \$40.30; E. I. Dupont de Nemours, Wilmington, Del., 2,000 tons, at \$40.30; Trojan Powder Co., Allentown, Pa., 200 tons, at \$40.20.

Grasselli Chem. Co., Cleveland, Ohio, 1,000 tons, at \$40; International Agricultural Corp., New York City, 165 tons, at \$40; Granton Chemical Co., New York City, 375 tons, at \$40; G. F. Taylor, Inc., New York City, 200 tons, at \$40; Farmers' Fertilizer Works, Elizabethtown, Pa., 100 tons, at \$40; York Chemical Works, York, Pa., 100 tons, at \$40; Trojan Powder Co., Allentown, Pa., 200 tons, at \$39.20; Union Explosives Co., Clarksburg, W. Va., 250 tons, at \$39; G. F. Taylor, Inc., New York City, 200 tons, at \$39; Calco Chemical Co., Bound Brook, N. J., 400 tons, at \$38.50; Trojan Powder Co., Allentown, Pa., 200 tons, at \$38.20; Merrimac Chemical Co., Boston, Mass., 150 tons, at \$38.20; Wessel, Duval & Co., New York City, 4,000 tons, at \$38.10; G. F. Taylor, Inc., New York City, 200 tons, at \$38; Hubbard Fertilizer Works, Baltimore, Md., 100 tons, at \$38; York Chemical Works, York, Pa., 100 tons, at \$38; Atlas Powder Co., Wilmington, Del., 5,000 tons, at \$38.

MARCH EXPORTS OF SODA COMPOUNDS (Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., May 24.—Exports of cyanide during March amounted to 74,102lbs., valued at \$15,998; borax 778,194lbs., valued at \$48,091; silicate 2,625,495lbs., valued at \$27,417; sal soda, 1,059,593lbs., valued at \$17,520; bicarbonate 1,367,158lbs., valued at \$32,897; other sodium compounds 4,154,244lbs., valued at \$235,223.

Exports of caustic soda in March were as follows:

Countries	Caustic Soda Pounds	Countries	Caustic Soda Pounds
Belgium	1,368,876	Mexico	519,065
Denmark	271,237	Cuba	533,025
Estonia	246,493	Argentina	985,649
Germany	5,533,285	Brazil	1,702,282
Italy	696,609	Chile	90,200
Netherlands	450,881	Colombia	38,330
Norway	21,600	Peru	209,173
Portugal	45,106	Uruguay	349,113
Spain	22,465	Venezuela	72,918
Sweden	156,707	China	424,950
Switzerland	220,118	Java and Madura	385,767
England	66,500	Hongkong	134,065
Quebec & Ontario	1,000,955	Japan	2,218,604
Costa Rica	56,925	Philippine Is.	380,160

Soda ash exports in March were as follows:

Countries	Soda Ash Pounds	Countries	Soda Ash Pounds
Quebec & Ontario	1,261,915	Cuba	259,470
Prairie Prov.	94,360	Chile	90,000
Br. Col. & Yukon	410,800	Uruguay	50,000
Mexico	200,846		

The American Society of Mechanical Engineers discussed Muscle Shoals at the Atlanta, Ga., meeting, on May 10. Major J. K. Clement, of the Ordnance Department, U. S. Army, read a paper in which he said that national preparedness depends upon the United States being self-sustaining in the production of nitrates, and the operation of the Muscle Shoals plant should contribute materially toward the building up of the nitrogen fixation industry in this country.

The Fine Chemical Market

Current Spot Quotations of Fine Chemicals, Pages 1198-1200

MENTHOL AND CAMPHOR WEAKEN

New Imports Soften Spot Prices—Sharp Rise in Sugar of Milk—Cheaper Lot of Antipyrine—Spot Accumulation Cream Tartar and Rochelle Salt—Resale Potassium Iodide Undersells

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Trend of the Market

Advanced

Sugar of Milk, 3c lb.

Declined

Acetanilid, 1d lb. Antipyrine, 15c lb.
Camphor, Jap., ref., 2c lb. Potass. Permanganate, 1c lb.
Menthol, 25c lb.

	Today	Last Week	Last Month	Last Year
Acetanilid	\$30	\$31	\$31	\$30
Acid, Citric, Import	44½	44½	45	43
Caffeine, Alkaloid	3.75	3.75	3.75	5.90
Calomel, American .....	.94	.94	.88	.83
Camphor, Jap., ref. ....	.76	.77	.79	.74
Iodine, Resublimed	4.20	4.20	4.05	3.75
Menthol	5.50	5.75	5.75	3.80
Morphine Sulfate	4.80	4.80	4.80	5.20
Potassium Bromide, Cryst. ....	.23	.23	.23	.24
Quinine Sulfate, Import .....	.60	.60	.60	.65
Sodium Salicylate .....	.32	.32	.32	.30
Strychnine Sulfate .....	.76	.76	.76	1.85
Average	1.86	1.87	1.87	2.01

Changes in medicinal chemicals have been few and of minor importance during the week past. Prices generally have maintained their stability, but purchasers have continued to confine themselves to the smaller quantities. Some members of the trade are not altogether optimistic in their views of business during the coming summer months. Spot sugar of milk is higher and in small supply. Offers of slightly cheaper antipyrine are noted. Resellers are underselling producers in potassium iodide. Spot accumulations of cream tartar, Rochelle salt, and one or two other items have tended to depress values.

Acid Citric—The adoption of the 18c tariff rate on citric acid last week by the Senate, made little impression on the market here. Demand has quieted down and prices hold slightly softer, as a consequence. Spot imported at 44½c@45c lb. For shipment, 42c c. i. f. is still named with few buyers covering for forward delivery. American makers adhere to 45c@45½c bbls. Stocks here closely held, a number of buyers reported to have already covered in anticipation of the tariff.

Acid Tartaric—Continues firm, but has quieted down somewhat. On spot 27c@27½c lb. for crystals and powder is still named. Shipment is 26c c. i. f. One holder offers goods in bond here 25½c. American manufacturers at 30c lb.

Acetanilid—Spot U.S.P. bbls. quiet and slightly easier 30c@31c lb.

Antipyrine—A lot is offered spot at \$2.10 lb. which represents a somewhat lower figure. Chief factors quote \$2.25 unchanged.

Bismuth—Reseller offering bismuth subnitrate at \$2.20 lb. Spot. Makers adhere to \$2.15 lb. and \$3.15 for cones.

Caffeine—Quiet and steady at \$3.75 lb. for alkaloid from makers. Citrated caffeine unchanged \$3.00 lb.

Camphor—Continues under pressure of large stocks and reduced demand. Spot Japanese refined slabs in cases as to seller and quantity 76c@78c lb. Small sizes in cartons 93c ozs., 94c 24s, 95c half ozs. spot. Ozs. in tins 95c. Slabs for shipment 72c@73c. American refiners unchanged 90c basis bulk gum in bbls.

Castor Oil—Firm and moving steadily at 12c lb. AA water white in bbls., cans 13c.

Chloroform—Manufacturers 30c lb. U.S.P. basis 50 lb. cans, 120 or 700 lb. drums. Resale spot 28c 700 lb. drums.

Cocoa Butter—Slightly easier spot 27c@28c in bulk bales. Fingers, cakes, etc. 35c@37c lb. Imports last week at New York 1,003 bales.

Cod Liver Oil—Prices unchanged with demand quiet. Spot Norwegian unchanged at \$22.00 bbl. ranging to \$25.00 as to brand. Newfoundland \$19.00@20.00. Latest reports from Bergen, Norway, give same catch of fish as last year, but bigger yield of oil.

Cream Tartar—Accumulation of spot holdings. Easier 23c@23½c U. S. P. imported. Shipment 20c@22c c. i. f. American 26½c lb. barrels U. S. P.

Ether—Big offer motor ether from distressed source. U. S. P. 14c basis drums unchanged.

Formaldehyde—Quiet and unchanged at 7½c@8c lb. barrels carlots works, less cars 8½c, carboys 9c lb.

Glycerin—Refiners quote 14½c@15c lb. C. P. in drums as to seller. Cans from refiners 15½c@16c. Outside hands 14¾c lb.

Iodides—Resale potassium iodide spot at \$3.15 lb. Manufacturers at \$3.30 following recent advance.

Menthol—Early this week holders of spot goods dropped quotations to an inside of \$5.50 lb. for case lots and greater, \$5.65@5.75 for less than case lots. The arrival of the expected 150 cases late last week brought out a lower price as was expected, in view of the softness of the market and smallness of demand. For shipment \$4.75 c. i. f. still heard. London cable reports softer market at 24s spot.

Mercury—Firmly maintained at \$55.00 flask in large lots. Jobbing lots at \$56.00 and \$57.00. Buyers continue to hold off on stocks which they have on hand. Strong hands dominate the spot situation.

Potassium Permanganate—Offers on spot in 220 pound drums at 13c@13½c lb. Smaller lots bringing 14c U. S. P.

Quinine—Holders of quinine are apparently agreed on 60c ounce for sulfate in 100 ounce cans. No Japanese yet available spot. Recent imports of Dutch goods to sales agents here who quote on levels with American makers.

Rochelle Salt—Pressure of spot goods has caused some import holders to weaken, prices being named now at 16½c@18c lb. U. S. P. goods. Domestic makers at 21c lb.

Sugar Milk—Available spot supplies have dwindled materially and prices have jumped up to 20c lb. barrels. Makers are asking 18c unchanged, but unable to make immediate delivery.

Thymol—Makers have cut iodide to a basis of \$6.75 @7.25 lb. owing to the weak position of the raw material. Thymol named unchanged and quiet at \$4.10 @4.25 lb.

Medicinal Chemical Notes

The Dominican Republic has imposed a tax of ten per cent on retail sales of patent medicines.

Total imports of citric acid at this port last week included 580 casks from various Sicilian ports.

Among other camphor imports last week at New York a shipment of 100 cases from Hamburg was noted.

At 16s per pound, English manufacturers are quoting about on a parity with American makers of caffeine alkaloid.

The Central California Creameries is setting up machinery at its plant at Arcata, Cal., for the manufacture of milk sugar.

As a factor in further depressing the spot market for camphor, some 1,400 additional cases came in on the Harve Maru late last week.

An offering of 30,000 gallons of sulfuric ether from a Southern plant has been noted in this market, a product designed for smokeless powder use and apparently suitable for motor ether.

The Harve Maru with its much talked about 150 case shipment of menthol aboard, arrived in New York late last week and the owners of the goods reduced prices slightly in anticipation of keener competition here.

After having been neglected for many months past with prices low as a result of the pressure of outside holdings, sugar of milk suddenly finds itself very scarce in second hands with makers far behind in deliveries.

Powers-Weightman-Rosengarten Co., Philadelphia, have filed plans for the erection of an addition to its plant at Moore and 35th sts., Philadelphia, Pa. The new addition will be two stories, 42x80 feet, and cost \$16,000 to build.

The third award of the Remington Honor Medal was made last week at a dinner at the Hotel Pennsylvania, given by the New York branch of the American Pharmaceutical Association in honor of the recipient, Dr. H. V. Army, professor of chemistry in the College of Pharmacy of Columbia University.

Up to May 11th, the total catch of cod fish for all Norway was 37,000,000 as compared to 34,000,000 last year over the corresponding period; the yield of oil this year was larger, 64,081 hectolitres as against 52,256 for last year. Owing to the larger yield of oil and lessened demand, Bergen reports an easier market.

The 1922 convention of the American Medical Association was held on May 22, at St. Louis. The Radiological Society of North America, the American Association of Industrial Physicians and Surgeons and the Medical and Surgical Section of the American Railway Association also held conventions in conjunction with the Medical Association.

The use of oil of wormseed in hookworm commenced when thymol was not available during the early days of the war. It proved to be satisfactory in every way and is the drug commonly used in Ceylon since 1917. Statistics indicate that in three treatments about 95 per cent of the worms are removed from the body. Nearly 400,000 people in Ceylon have been successfully treated, to whom were given 835,908 doses of chenopodium, thymol and betanaphthol.

LABELING ALCOHOLIC MEDICINALS

The Washington correspondent of the National Wholesale Druggists Association says regarding the proper labeling of medicinal and toilet preparations made of denatured alcohol, or pure non-beverage alcohol with the addition of some drug or chemical intended to make the product unfit for beverage purposes:

It may clarify the subject somewhat to bear in mind that at present the regulations of the Internal Revenue Bureau recognize four different kinds of alcohol, namely:

1.—Pure non-beverage alcohol, which is ethyl alcohol without the addition of any foreign substance.

2.—Medicated alcohol, which is ethyl alcohol to which any one of the seven alternative chemical agents prescribed in Section 61 of Regulations 60, has been added, and which is permitted to be sold in pints or less at retail.

3.—Modified alcohol, which is tax paid ethyl alcohol used in the manufacture of preparations rendered unfit for beverage purposes by the addition of tartar emetic, quinine, cinchonidine sulphate, resorcin, salicylic acid or some other approved modifying agent.

4.—Specially denatured alcohol, which is tax free ethyl alcohol rendered unfit for beverage purposes by the addition of some authorized denaturing agent or combination of agents.

The labeling requirements now under consideration apply only to articles manufactured with modified alcohol or specially denatured alcohol. These products come under the joint jurisdiction of the Prohibition Unit of the Internal Revenue bureau and the Bureau of Chemistry of the Department of Agriculture.

The Pure Food and Drug Law provides that an article shall be deemed to be adulterated, in the case of drugs, when sold under a name recognized in the United States Pharmacopoeia or National Formulary it differs from the standard of strength, quality or purity therein laid down, or if its strength or purity fall below the professed standard or quality under which it is sold. Obviously a U.S.P. preparation like witch hazel can not legally be sold under the label "Witch Hazel" if it is made of denatured alcohol or if a so-called modifying agent has been used in its manufacture unless a statement to that effect is placed upon the label. The addition of the legend, "Made With Denatured Alcohol," will, I am sure, satisfy the officials of the Bureau of Chemistry as they are at present advised. The problem being a new one, it is possible that some more definite ruling in the future will be found necessary.

FORMULA FOR DENATURING ALCOHOL

(Special to Drug & Chemical Markets)

Washington, D. C., May 24.—Internal Revenue Commissioner Blair has forwarded the following announcement to collectors regarding a new denatured alcohol formula:

"The following formula, to be known as specially denatured alcohol Formula No. 46, is hereby authorized for use as an antiseptic, sterilizing and bathing alcohol for use by visiting nurse associations, public nursing associations, clinics, and dispensaries exclusively.

"To every 100 gallons of pure ethyl alcohol add 25 fluid ounces Phenol, U.S.P., 4 fluid ounces Oil of Wintergreen or Methyl Salicylate, U.S.P.

"This formula will only be authorized for use by institutions and organizations named above which are of a semi-public character and engaged in charitable work."

The Intermediate and Dye Market

Current Spot Quotations of Intermediates and Dyes, Pages 1207-1208

TEXTILE MILLS NOT YET IN THE MARKET 400lb. barrels and 34½c in 100lb. kegs. Routine business at these figures.

Expected Settlement of Strike Has no Effect on Dye Demand—Aniline Oil and Beta-Naphthol Prices Demoralized—Technical Benzaldehyde Firm at Recent Advance

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced
No advances
Declined
Betanaphthol, 1c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year
Benzene, C. P. gal.	\$.29	\$.29	\$.29	\$.27
Naphthalene, flake lb.	.07	.07	.07	.08
Phenol lb.	.12	.12	.12	.09
Xylene, 10 degrees gal.	.35	.35	.35	.45
Toluene, pure gal.	.30	.30	.30	.28
Aniline Oil lb.	.14	.14	.15½	.20
Benzaldehyde lb.	.65	.65	.55	.45
Betanaphthol, dist. lb.	.25	.26	.28	.34
Paranitroaniline lb.	.75	.75	.75	.80
o-Toluidine lb.	.16	.16	.16	.25
Average	0.307	0.308	0.302	0.319

Consumers of dyes and intermediates are showing little interest at present in taking on stocks in spite of the widespread belief that the settlement of the New England textile strike is in sight and that the opening of the mills will lead to a rather sudden increase in demand. Few factors in the market are willing to back their opinions on this subject by increasing their stocks just now. In the meantime pronounced pressure is developing among sellers of aniline oil and beta-naphthol leading to further disorganization of the market on these items. Technical benzaldehyde is firm at the recent advance.

Benzene—Supplies still tight but may ease slightly on the opening of more steel mills. Firm from refiners at 29c in tanks and up to 34c in five drum lots. Little 90% offered openly on the nominal basis of 27c@32c in tanks and drums. Resellers have nothing to offer.

Naphthalene—Very slow. Refiners hold flake for 7c @8c as to quantity but 6½c can be done. Balls firm at 8c@9c as to quantity.

Phenol—Scarcity of strictly U.S.P. stuff continues. Nothing less than 14c@15c as to seller. Government surplus "as is and where is" at 12c in large drums and up to 17c as to quantity. Refiners of natural hold at 15c@16c for U.S.P.

Toluene—Stocks are kept light by scarcity of tar and strong demand for motor fuel benzene. Prices from refiners are held firm at 30c in tanks and up to 35c in five drum lots.

Xylene—Occasional demand for nitration xylene. Prices firm on this 2° distillation range stuff at 45c@50c in tank cars and drums. Refiners quote 5° range at 40c@45c and 10° range at 35c@40c in tanks and drums.

Intermediates

Acid, Chloracetic—Makers quote firm at 32½c in

Acid, Cleves—No offers below makers' figures of \$1.50@1.54 as to quantity. Demand scattered routine.

Acid, H.—Firm at 85c@90c as to quantity and brand. Movement slow with little pressure from sellers at present.

Acid, Laurent's—Makers quote firm at 75c@80c as to quantity on limited inquiry.

Acid, Naphthionic—Slow demand at 60c@62c for technical and 65c@67c for refined. Makers are holding firm.

Acid, Picric—Quoted by makers over a wide range, 20c@40c for ten tons and single barrels. Legitimate bids for quantity lots would probably be considered at concessions.

Acid, Sulfanilic—Weakness in aniline has not brought an open reduction here but business could probably be put through below 22c@23c as now quoted.

Aminoazobenzene—Held firm by makers on slow demand at \$1.15.

Alpha-naphthol—Makers hold firm at \$1.00 for technical and \$1.10 for refined material. Demand is routine but no decided shading has been noted.

Aniline Oil—Decided pressure is developing among makers and it is well understood that present prices on some of the sales made are lower than actual cost of manufacture. Under the circumstances it is impossible to gauge prices at all accurately. Better than 14c has been done for lots of five drums. Reports of ridiculously low prices are heard from consumers but it has been impossible to trace them to their sources.

Aniline Salt—Weakness of oil is reflected here in shading of the quoted price of 22c@24c.

Anthraquinone—Makers are still at variance on price. Sublimed is named at \$1.00@1.60 per pound as to brand. Paste, 30%, is quoted at 70c@80c on the basis of 100% as to quantity.

Benzaldehyde—Makers are holding firm at the recent price advance which they justified on the increased cost of producing on the present limited scale. Nothing better than 65c for technical in drums now as no stocks worth considering were outstanding.

Benzidine—Extremely sluggish with some selling pressure. Priced at 85c@90c as to quantity.

Beta-naphthol—Named at 25c@26c on a very weak basis. Selling pressure has brought sales at 23c in quantity and even 21c is rumored without confirmation on contract business. The market is badly demoralized.

Para-nitroaniline—Makers are holding firm at 75c@77c in ton lots and up to 80c for single barrels.

Natural Dyes

Consumers show little interest at present but prices are held firm at recent levels. The limited operations of textile mills has interfered greatly with sales in this list. Solid logwood at 15c@20c as to quality, hematine crystals at 16c@20c, and archil concentrated at 18c@20c lead the list in strength.

Dyestuff Notes

Makers of para-nitroaniline are looking forward to a price war as soon as the new process stuff comes into the market.

Exports of logwood extract in March amounted to 235,782 lbs., valued at \$35,187; other dye extracts 216,147 lbs., valued at \$45,454. Exports of other dyes were 708,792 lbs., valued at \$405,250.

Last week's imports at New York showed several organic compounds which come under the license list. At the same time there are persistent rumors of offers of Dutch oxalic acid, also prohibited import, in the New York market.

The coal strike seems much more serious that it did a short time ago as coal stocks in consumers' hands are dwindling. So far no real distress has been noted but with the opening of more and more iron furnaces the prospect of a real shortage of coal becomes imminent.

Many factors in the dye trade are looking forward to the settlement of the New England textile strike as a cure for the present slowness of business. Indications are that the strikers are about ready to call a halt and there has been quite an accumulation of orders in the meantime.

Whether it be true or not, the manufacturers of intermediates, especially aniline oil and beta-naphthol, are credited by consumers with continued price cutting. The effect is the same in any case and the trade is completely disorganized and sales now are said to be below cost on both items.

NEW COLORS BY GRASSELLI CO.

The Grasselli Chemical Co. is now offering a new wool color under the name of Cloth Red B Concentrated, which is chemically identical with the well-known formerly imported Cloth Reds manufactured by the *Farbenfabriken* of Elberfeld Co. The fastness to light and the fastness to fulling against white wool is very good. Cotton and silk are slightly tinted by a severe milling. The new product may be dyed on wool according to the acid, chrome mordant, afterchrome or monochrome processes. It is also useful in the dyeing of silk, as full rich shades of red are obtained.

The Grasselli Co. has also placed on the market a new product under the name of Direct Rubine B, which is a direct dyeing cotton color similar in shade to the formerly imported Benzo Rubine H W. The new color gives a bright bordeaux shade on cotton. It should also prove of great interest as a union color, as it dyes cotton and wool the same shade.

NATIONAL OFFERS CLOTH RED 2 R

The National Aniline & Chemical Company, Inc., announces a new product of its laboratories in National Cloth Red 2R, which in shade and general properties resembles the pre-war Wool Red B and Fast Bordeaux O. It is of special interest because of its good solubility and brightness of shade. On wool, National Cloth Red 2R produces shades of excellent fastness to water and perspiration, and good fastness to sunlight, crocking and fulling. It is applicable as an acid dye and by the different chrome methods which makes it especially desirable for shading purposes in conjunction with chrome colors. It possesses good affinity for silk when dyed in boiled-off soap bath broken with Formic Acid.

DYE LICENSES LIMITED TO 6 MONTHS

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., May 24.—The Treasury Department has decided to limit dyestuff and chemical import permits to six months from date of issue. In this connection Assistant Secretary of the Treasury Clifford is sending the following notice to collectors of customs:

"Treasury Decision 38716, of May 31, 1921, prescribing the regulations for the filing of applications and the obtaining of permits to enter and for the delivery from customs custody of the commodities and the classes of commodities referred to in the Act of Congress, approved May 27, 1921, as extended by the Acts approved August 24, 1921, and November 16, 1921, is hereby amended as follows:

"The term of validity of permits to enter and procure the delivery from customs custody of the commodities and classes of commodities referred to in Section 501-a of the Act of Congress approved May 27, 1921, as extended by the Acts approved August 24, 1921, and November 16, 1921, shall be limited in each case to a period of six months next succeeding date of issue.

"No controlled commodities may be delivered from customs custody under any permit whose term of validity has so expired unless the license in any such case applied for and has obtained from the Department an extension of the period of validity of any particular permit or unless the importer or his agent in any case has applied for and has obtained from the Department a new permit.

"It is provided, however, that in so far as this decision relates to outstanding permits, it becomes effective thirty days after the date upon which it is promulgated."

PICKHARDT'S STATEMENTS ANSWERED

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., May 24.—Accuracy of statements made in testimony before the dyestuff committee by Paul Pickhardt, of Kuttroff, Pickhardt & Co., New York, importers and distributors of dyes, was challenged in a statement filed with the committee, last Saturday, by W. B. Denton, treasurer of the Textile Alliance. Mr. Pickhardt charged during his testimony that delay in securing German dyes needed by American consumers immediately after signing of the armistice, was due to efforts to prevent importation of other than reparation dyes by American agencies long established in the trade.

"The facts are," the Textile Alliance says in its statement submitted to Chairman Shortridge, "that the Textile Alliance was acting under the immediate instructions of the Department of State and the delays were entirely caused by the efforts of importers, present or former agents of the Cartel, to delay and block the deliveries of reparation and Herty Option dyes to consumers in the United States."

The Alliance referred to a memorandum prepared in part by Kuttroff, Pickhardt & Co., and circulated among consumers in an effort to stir up opposition to government arrangements for the importation of German dyes, as "a specious document" and declared that it had been "thoroughly investigated by the Department of State" at hearings held soon after its publication, at which the firm of Kuttroff, Pickhardt & Co., was asked to explain its activities. The Susquehanna Silk Mills, of Sunbury, Pa., one of the firms listed as signers of the document repudiated it.

The Oil Market

Current Spot Quotations of Oils, Tallows, Greases, 1210, Naval Stores 1211

ACTIVE DEMAND FOR PERILLA OIL

No Prices for Shipment Quoted—Linseed Oil Slightly Easier—Shipment Prices on Soya Bean Oil Lower—Rosin and Turpentine Higher, But Business Limited

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Rosin, 15c bbl.	Advanced	Turpentine, 5c gal.
China Wood, Spot, 3/4c lb.	Declined	Soya Bean, Coast & Shipment,
Sperm, 5c gal.		3/4c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year
Cod Oil, N. F.	\$.60	\$.60	\$.58	\$.44
Degras, American, bbls.	.04 3/4	.04 3/4	.04 3/4	.05
Lard, No. 1	.80	.80	.80	.65
Menhaden, crd. bbls.	.42	.42	.42	.30
Neatsfoot, 20 deg. ct., gal.	1.80	1.80	1.80	1.00
Red Oil, distilled	.08 3/4	.08 3/4	.08 3/4	.06 3/4
Stearic Acid, T. P.	.10	.10	.10	.10 3/4
Coconut, Ceylon, Dom., bbls.	.08 3/4	.08 3/4	.08 3/4	.10
Cottonseed crude, tanks	.10	.10	.10	.05 3/4
Linseed, Carlots, bbls.	.90	.90	.88	.74
Olive, denatured	1.12	1.12	1.12	1.45
Peanut, refined	.13 3/4	.13 3/4	.13 3/4	.10
Soya Bean, bbls.	.11 1/2	.11 1/2	.11 1/2	.07 3/4
Average	.480	.480	.475	.394

Oil trading has been along closely limited lines during the week and no improvement was noted over the week end. Linseed oil is a trifle easier. Spot China wood oil has eased off noticeably. Shipment prices on soya bean oil are lower. Perilla oil is very stiff and no offers for shipment are heard. Sperm oil is lower. Rosin and turpentine are quoted higher but little business is being done.

Vegetable Oils

Linseed Oil—Crushers quote 90c basis carlots of barrels. Bids of 89c were accepted late in the week and over the week end it was understood that business at this level would be considered. Demand for the present is slow but some factors expect further advances. Imported oil is steady at 86c@88c per gallon landed. Imports are smaller. London spot oil lower at 45s 6d per quintal. Antwerp easier at 220 francs per 100 kilos.

Flaxseed prices are easier in all markets. Buenos Aires at \$1.93 1/2. Duluth inactive at \$2.71@2.75 as to position. Winnipeg soft at \$2.39@2.45 as to position with fall oil around the lower figure.

Castor Oil—Sluggish at 12c for No. 1 and 11c for No. 3 in barrels.

China Wood Oil—Easier on spot at 13 1/2c@14c in barrels. Tanks nominal on the Coast at 11 1/2c. Shipment around 12c@12 1/2c in barrels c. i. f. New York. Market in the Orient unsettled.

Coconut Oil—Fair movement. Prices steady. Ceylon barrels at 8 3/4c@9c and tanks at 8c@8 1/4c. Cochín at 9 3/4c@10c in barrels and 9c in tanks. Manila oil in sellers' tanks on the Coast at 7 1/4c@7 1/2c per pound. Edible oil in barrels spot at 10 3/4c@11c. Copra steady at 4 5/8c c. i. f. New York.

Corn Oil—Little doing. Quoted at 9 1/2c@9 3/4c in tanks and 10 3/4c@11c at mills subject to some shad-

ing for firm business. Spot oil is firm at 11 1/2c@12c in barrels. Refined corn oil is quoted at 12c@12 1/2c in barrels New York.

Cottonseed Oil—Very sluggish. Supplies limited and little interest is noted in fall deliveries. Prime summer yellow, May to October, at 11c@11 3/4c. November-December oil at 9 3/4c@10c. Crude nominal at 10c buyers' tanks mills.

Olive Oil—Foots easy at 8 3/4c@9 1/4c spot in barrels and 8 1/2c@9c for shipment. Some business in small lots. Denatured olive steady at \$1.12@1.15 per gallon.

Palm Oil—Position steady on light trading. Lagos at 7 1/4c@7 1/2c, bonny old Calabar at 7 1/4c@7 1/2c and Niger at 6 1/4c@6 1/2c.

Palm Kernel Oil—Unchanged at 9c@9 1/4c for English.

Peanut Oil—Very sluggish with slight concessions from crushers. Buyers' tanks at works are quoted at 10c@11 1/4c without buyers. Refined is quoted at 13c@13 1/2c spot in barrels. No spot crude and nothing on the Coast.

Perilla Oil—Spot oil very firm at 13 1/2c@14c with few offers. Nothing for shipment at present. Demand continues active.

Rapeseed Oil—Routine demand at unchanged prices. Refined at 83c@85c and blown at 92c@95c per 8 pound gallon in barrels.

Sesame Oil—Named at \$1.10@1.15 as to quantity on slow routine demand.

Soya Bean Oil—Coast tanks easier at 10 1/2c@11c. Shipment easier at 7c@7 1/4c in bond for bulk oil c. i. f. New York. Crude in barrels spot steady at 11 1/2c against 13c@13 1/2c named for refined.

Walnut Oil—Firm at 10c@10 1/2c in barrels spot.

Animal Oils

Degras—Steady at recent prices. American at 4 1/4c @4 1/2c and English at 4 3/4c@5c. Neutral at 6c@7c as to grade and seller.

Lard Oil—Steady on a basis of No. 1 at 9 1/4c per pound.

Fish Oils

Cod Oil—Some sellers below quoted market of 60c in barrels on prospect of new catch oil. Others hold firm at this level on the scarcity of immediate stocks.

Menhaden Oil—Offers of crude of this year's catch are heard as low as 35c for July-August shipment from Baltimore. Oil stocks very scarce. Refined grades firm at recent levels. Little activity.

Sperm Oil—Prices are lower with 38° cold test quoted at \$1.65 and 40° at \$1.60 per gallon. Demand slow.

Naval Stores

Rosin—Prices here have been advanced in current spot scarcity and demand has slowed down considerably since the advance. B grade was advanced 15c to \$5.40 per barrel and other advances ranged up to 85c on WW to \$8.25 per barrel.

Turpentine—Late in the week turpentine was advanced to 97 1/2c but demand fell off sharply afterward. The price has been held but few consumers are willing to risk buying at that figure. London lower at 75s per quintal. No prices quoted from Savannah.

Oil Trade Notes

Thirteen casks of palm oil, 1,980 barrels of rapeseed oil, and 1,097 bags of rapeseed came in last week.

Some beautiful samples of cod oil of Japanese origin were seen in the trade recently.

Glycerin exports in March were 717,833lbs., valued at \$103,485.

Perilla oil continues in good demand and very tight. No offers could be gotten from the Orient within the next few months for shipment.

Palmer Fisheries, Inc., has been incorporated with a capital of \$200,000 to manufacture fish oil and fertilizer at Rockville, Va.

J. W. Daniel, president of the Archer-Daniel-Seed Co., Minneapolis, sailed on a two months' pleasure trip in Europe on May 13. His son is secretary of the American Legation at Brussels.

The exports of cottonseed products for the nine months ended April 30, last, are as follows: Oil 79,286,739lbs., against 246,476,811lbs. in the same period in 1921; cake and meal 225,290 tons, compared with 191,845 tons in the nine months ended April 30, 1921.

Dr. David Wesson, of the Southern Cotton Oil Co., and Joab H. Banton, district attorney for New York County, addressed the luncheon of the Oil Trades Association of New York at the Bankers' Club, 120 Broadway, May 23. Twenty-four new members have been added to the association since March 14.

Imports of linseed oil at the port of New York last week included 3,254 barrels and 809 tons in bulk. In spite of these heavy shipments crushers state that they are having less difficulty with competition from importers. Some 200,000 bags of Argentine flaxseed came in. Several forecasters in the trade predict a price of \$1 per gallon by the end of July.

The Cocoize Products Co. has opened headquarters at East Morrison street and Union avenue, Portland, Ore., and is preparing to engage in the manufacture of soaps, toilet preparations and chemical products. Portland was chosen as the location for the plant owing to the availability of a continuous supply of coconut oil manufactured by the Portland Vegetable Oil Mills.

Offers of crude menhaden oil of this year's catch at 35c per gallon in barrels at Baltimore mills were heard over the week end, but there were few takers at this figure. Apparently consumers are not interested yet in spite of the continued scarcity of last years oil. Some of the holders of cod oil in New England are slightly disturbed by these offers, however, and are shading 60c. Other holders state that the menhaden oil market need not worry them at all.

The amount of cottonseed received at the mills from Aug. 1, 1921, to April 30, 1922, was 2,871,629 tons, according to the U. S. Census Bureau. The amount of crude oil produced from Aug. 1, 1921, to April 30, last, amounted to 903,286,098lbs.; shipped out 888,570,446lbs. The supply on hand April 30, last, was 31,682,376lbs. against 18,762,794lbs. on Aug. 1, 1921. The production of refined oil from Aug. 1, 1921, to April 30, 1922, was 790,785,385lbs. The supply on hand April 30 last, 303,098,757lbs., against 228,263,633lbs. on Aug. 1, 1921.

NEW VEGETABLE OIL TERMINAL

The operators of vegetable oil refining plants at San Francisco have petitioned the Harbor Board for a dock to be used exclusively as an oil terminal. They contend that under the present arrangement steamers frequently cannot get the space desired for loading and unloading. Efforts will be made to get a pier in the vicinity of China basin, where a refinery will be erected and extensive facilities installed for handling vegetable oil cargoes. Efforts are being made by local refiners to secure a protective tariff on Philippine vegetable oil, the claim being made that Philippine operators can land refined oil here cheaper than local operators can bring in the crude and refine it. These efforts have been discouraged, so far, by President Harding at the request of General Leonard Wood, on the ground that it would kill an infant island industry.

Business Brevities

Thomas A. Edison told the Senate Committee on Agriculture, last week, that he was convinced fertilizers cheaper than those being manufactured by press processes and existing interests could be manufactured at Muscle Shoals, Alabama. Mr. Edison told of extensive potash deposits in Tennessee and of other natural resources abounding in the Muscle Shoals territory, and was understood to have detailed to the Senators successful experiments with these materials conducted in his laboratories in New Jersey. One member of the committee said Mr. Edison expressed a positive conviction that the potash and limestone deposits would lend themselves with proper treatment to the making of materially cheapened soil foods.

Charles Hayden announces that the Utah, Ray, Chino and Nevada consolidated copper companies and the Butte & Superior Mining Co., have compromised out of court the "froth flotation patent" litigation with the Minerals Separation North America Corporation, and have become licensees. The settlement was based on the principle of a reasonable license fee for use of the Minerals Separation process without any penalties of any kind for past use.

Senator Norris, of Nebraska, has introduced a bill "to provide for the manufacture of explosives for the use of the Army and Navy, to provide for the manufacture of fertilizer for agricultural purposes, to incorporate the Federal Chemical Corp. and for other purposes." The bill has been referred to the Senate Committee on Agriculture and Forestry.

Georges Guerin, of Parfumerie Grenoville, Paris, accompanied by A. C. Humbert, was in New York last week. Mr. Guerin's company is located at 108-110 Avenue Pereire and 6-10 Avenue St. Anne, Paris, with a factory at Asnieres. The American representative is Maurice Levy, 120 West 41st st., New York.

The Phosphate Products Co. has been organized at Spokane, Wash., to develop a phosphate rock deposit near Philipsburg, Mont. The officers are Dr. James Sutherland, president; W. F. Wegner, vice-president; J. Harry Wells, secretary, and A. M. Nash, director and engineer.

The Mathieson Alkali Works, which took over the business and plant of the Commonwealth Chemical Co., of Newark, New York, in April, will enlarge the plant, greatly increasing the output of benzoate or soda and other products.

The Robertson Fertilizer Co., Norfolk, Va., will build a fertilizer plant at Money Point.

The Crude Drug Market

Current Spot Quotations of Crude Drugs, Pages 1212-1213

SMALL STOCKS HOLD PRICES FIRM

Buying Shows Improvement this Week—Gradual Expansion—Arabic Amber Sorts Higher—Cubebs Firmer—Soap Bark Strengthens—Elm Bark Weaker—Chamomiles Softer—Curacao Aloes Lower

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Agar Agar, No. 3, 5c lb.	Cascara Sagrada Bk., 1c lb.
Cubeb Berries, 5c lb.	Soap Bark, 1/2c lb.
Arabic, Amb. Str., 1 1/2c lb.	Senega Root, 10c lb.
Guaiac Gum, 10c lb.	Caraway Seed, 1/2c lb.
Cumin Seed, 1/2c lb.	Ginger, Jamaica, 2c lb.
Declined	
Cascara Amarga, 5c lb.	Lycodium, 5c lb.
Elm Bark, Sel., 1c lb.	Grinding, etc., 1c lb.
Angostura Bark, 8c lb.	Chamomiles, Hung., 2c lb.
Roman, 5c lb.	Saffron, Amer., 5c lb.
Aloes, Curacao, 1c lb.	Tragacanth, No. 1, 10c lb.
Shellac, T.N., 4c lb.	Rhubarb Root, 5c lb.
Cardamom Seed, Decort., 2c lb.	

Trend of the Market

	Today	Last Week	Last Month	Last Year
Aconite Root, U.S.P.	\$.22	.22	.22	.25
Buchu Leaves, Short .....	.85	.85	.85	1.05
Cantharides, Russian	5.00	5.00	3.50	2.00
Cocculus Indicus .....	.04 1/2	.04 1/2	.04 1/2	.14
Ergot, Spanish	1.05	1.05	.95	1.00
Insect Powder, pure .....	.53	.53	.53	.36
Ipecac, Cartagena, powd.	1.90	1.90	2.00	2.50
Nux Vomica .....	.06	.06	.06	.14
Opium, gum	6.00	6.00	5.75	5.50
Rhubarb Root, H. D. ....	.60	.65	.65	.30
Tragacanth, No. 1, ribbon	1.90	2.00	2.10	3.60
Wild Cherry Bk. thin nat. ....	.09	.09	.09	.10
Average	1.39	1.40	1.39	1.42

Generally small stocks of crude drugs in this market is the chief influence which holds values firm and accounts for the creeping upward of a number of quotations. The absence of buyers for some time back has forestalled any broad upward movement, but, it is assured, that any heavy buying is bound to cause a general advance in prices. Acacia amber sorts are again higher on spot. Cubeb berries have moved up. Soap bark is firmer. Guaiac is practically nominal. Senega root is stronger. Elm bark continues weak and lower. Chamomiles are slightly easier. Aloes, Curacao, are cheaper. Rhubarb is down. American saffron is easier.

Crude Drugs

Agar Agar—No. 3 is higher here at 85clb. No. 1 unchanged at \$1.20, No. 2 \$1.00.

Cantharides—Small lots Russian spot \$5.00 whole and powdered. Chinese whole \$1.00, powdered \$1.25 @ \$1.30lb.

Cascara Amarga—Easier spot at 35clb.

Ergot—Spot ergot appears firmer with sellers asking \$1.05 mostly. One holder offers spot goods at 98c. Demand quiet.

Lycodium—Quoted from \$1.00lb. up to \$1.10 as to seller and quantity.

Nux Vomica—Powder U. S. P. 10clb. unchanged. Buttons 6c@8c spot.

Barks

Angostura—Dropped sharply on arrival of new lots. Spot 14c.

Cascara Sagrada—Firmer owing to several lots having been taken out of market. Spot as to age 11c for

1921 up. New peel for future shipment Coast at 10c f. o. b.

Elm—Selected bark continues to slide off under pressure. Spot named at 21c, with 20c said to be possible. Grinding bark easier at 11c, powdered and ground 13c @ 14c spot.

Soap—Whole bark firmer with cheap lots eliminated. Some sellers have moved up to 6clb. spot. Cut and crushed 8 1/2c@9c. Powdered 12c@13c.

Berries

Cubebs are firmer and in small supply on spot. Higher at 95c inside for ordinary and \$1.00 for XX and powder. Fish berries 4 1/2c. Junipers 3 3/4c.

Flowers

Chamomile—Indicated somewhat easier in some quarters at 28c for Hungarian in bags although cases are still held 30c spot. Romans easier 75c.

Insect—Dalmatian open flowers for shipment 41c c. i. f. and tending higher. Spot pure powder at 53clb. barrels.

Saffron—American saffron cheaper on spot at \$1.05 @ \$1.15lb. Large sale last week \$1.00. Spanish at \$27.00 unchanged for new importation.

Gums

Curacao Aloes are again cheaper at 6c spot cases. Arabic amber sorts have moved up again and now stand inside spot in cases at 12 1/2clb. Guaiac is practically nominal at 50c. Tragacanth, No. 1 ribbons, easier at \$1.90lb. T. N. shellac cheaper 71c spot.

Herbs and Leaves

Buchu—Spot unchanged and quiet 85clb. A consumer is reported to have placed an order in Cape Town at 60c c. i. f. for shipment which is denied by dealers here as impossible, 65c having been turned down.

Uva Ursi—Offered more freely on spot and at slightly lower prices, 6c up to 8clb. now being quoted here.

Roots

Althea—Cut, good quality, spot at 13c@14clb.

Dandelion—Unchanged and dull 7 1/2c@8clb.

Doggrass—Imported U. S. P. cut offered spot still at 9c@10clb.

Ipecac—Both Rio and Cartagena spot whole at \$1.60lb. Powdered named \$2.00, but available spot \$1.90lb. Soft with demand quiet.

Rhubarb—Prices have softened on spot owing to larger offers and restricted demand. Whole common round cases is 60c, powdered barrels 65c, less barrels 70clb. London shipped 24 cases here last week.

Sarsaparilla—Held 40c@43clb. for Mexican as to seller. A shipment of 35c bales from Vera Cruz noted last week.

Senega—The cheap seller reported sold out and best now \$1.10lb. spot. Others up to \$1.25. Stocks reduced.

Seeds, Spices, etc.

Aniseed—Star nominal 18c. Afloat to arrive 14c. Spanish 17c spot.

Caraway—Dutch higher at 9 1/2c@9 3/4clb.

Cardamom—Decorticated cheaper spot at 46c@50clb. as to seller.

Cumin—Up again to 17c@17 1/2clb. spot.

Ginger—Jamaica very firm and higher. Spot good grade grinding 37c@38c. Offers small.

Crude Drug Notes

Among the imports of crude drugs at New York last week were 44 sacks of dandelion root from Hamburg and 79 bales of insect flowers from Trieste.

Benjamin M. Barish, druggist, 8 East Eighth st., New York, filed a petition in bankruptcy, May 17, listing liabilities of \$8,246 and assets of \$3,020, main item of which is stock, \$3,000.

The Northwest Drug and Chemical Exposition will be held at St. Paul, Feb. 18 to 23, 1923. The Minnesota State Pharmaceutical Association is taking an active part in the plans.

Although 337 bags of Jamaica ginger came in here from Kingston last week, spot stocks and also stocks in primary markets are reported short and higher prices are freely predicted as the season advances.

F. W. Mead & Co. have issued a report from a gum arabic shipper in the Sudan which states that recent reports in this market to the effect that lower prices may be looked for on arabic, are erroneous and undoubtedly propaganda on the part of short sellers who have been caught in a rising market.

Because of the very large quantity of contraband narcotics found recently on the steamer Nanking, at San Francisco, Collector of Customs, W. B. Hamilton, has requested United States District Attorney John T. Williams, to libel the vessel for \$110,000, the foreign value of the contraband. In taking this step he acted on the assumption that there must have been collusion or negligence in permitting so large a quantity of narcotics to be brought from China.

The Federal Trade Commission has issued a "cease-and-desist" order against the People's Drug Stores, Inc., and Louis K. Liggett Co., operating jointly a group of chain stores in Washington, prohibiting the advertising or sale of pyroxylin plastics (celluloid) toilet articles under the designation of "French Ivory," "Parisian Ivory," "Pyroxylin Ivory," "American Ivory," etc. It was shown by the respondents that this advertising took place during one sale in the latter part of June, 1921; that the "error" was caused by a new advertising manager, and that steps were immediately taken to correct the misleading terms, but this did not prohibit the conviction and order.

John Clarke & Co., New York spice and seed brokers, made the following comment on the market this week: "The poor old images in the Senate rave on, living as in a former generation, knowing that every amendment to their draft of the New Tariff that they drool about is subject to revision by the two Houses when the bill goes finally to Conference—actually abandoning a night-session this week so that the **Pages** could attend the **Circus** (while the whole business world waits for **ACTION!**). We fancy the sharp crack of the recent news from Indiana and Pennsylvania may easily tend to restore some of the needed impetus toward sanity for the Vox Populi is an awfully loud voice when so many speak at once. Still the tariff can hardly come to action before at least mid-summer, at the present rate of progress, and that is still some distance off. The uncertainty has done immense damage already, on more than a year's shilly-shallying of debate, to business generally, and even now it tends to discourage future commitments, and thus to restrict and injure normal trading in all commodities, not excluding spices."

DAVISON CO. GETS VERDICT

The Davison Sulphur and Phosphate Co., of Cuba, obtained a verdict for \$850,000, recently, against the Cienfuegos, Palmyra and Cruces Electric Railway & Power Co. Suit for \$2,500,000 had been filed for alleged failure to carry out a contract to build an electric railway from the interior of Cuba to Cienfuegos and to furnish power for the operation of sulfur and phosphate mines in Cuba.

Announcement that the Davison Chemical Co. had been awarded a verdict of \$850,000 in a suit for \$2,500,000, involving an alleged breach of contract, was followed by a quick run-up in the stock above 60, says the "New York Tribune", but this gain was more than wiped out and the final quotation showed a fractional loss for the day. With all the bullish talk about the possibilities of the company's "silicagel" process the stock has been a disappointment to people who bought it in the 60's.

HAYNES HAS A "LIQUOR DETECTOR"

In addition to the new forms adopted by the Prohibition Commissioner for withdrawal permits and physicians' prescription blanks, a machine similar to a check protector, is in use, and an impress will be made on each withdrawal permit showing the amount of liquor authorized to be withdrawn, in a manner similar to that in which banks use a check writer for impressing the amount of the check. In the past it has not been uncommon to have withdrawal permits raised after issuance, but with the use of this specially designed machine the raising of permits will be impossible.

CARRIER CHEMICAL CO. ELECTS OFFICERS

The Carrier Chemical Co., Charleston, W. Va., manufacturers of pharmaceuticals, has elected M. T. Davis, Jr., president; W. E. Connell, vice-president; Arch Krieg, secretary; W. E. Wright, treasurer; and C. F. Carrier, Jr., general manager. Mr. Carrier was the first manager of the Warner-Klipstein Co., of South Charleston. He is a graduate of both American and European universities and has had many years experience in the manufacture of chemicals. McKesson & Robbins, New York, will act as selling agents. The company is capitalized at \$150,000.

IMPORTERS MAKING PLANS

Plans to make the Chemical Importers' Association an active force for the constructive good in the trade were discussed at a meeting held last Wednesday. The possibility of joining forces with the National Council of Importers and Traders was considered, and is to come to a vote at the next meeting of the organization which is scheduled for May 31.

The Safety Institute of America announces the appointment of Dr. Charles Edward Amory Winslow as Health Supervisor. At the same time the Safety Institute makes public a plan for the expansion of its program so as to include, in addition to the prevention of accidents, the many influences which affect the health of industrial workers. Dr. Winslow is Professor of Public Health of the Yale School of Medicine, and lecturer at Teachers' College of Columbia University.

A new chemical plant at Matteson, Ill., is owned and operated by the K. I. Herman Chemical Corp., 332 South Michigan ave., Chicago. K. I. Herman, president of the chemical company, was formerly secretary and general manager of the Mid-West Box Co.

The Essential Oil Market

Current Spot Quotations of Essential Oils and Aromatic Chemicals, Pages 1215-1216

FIRMER PEPPERMINT POSITION HOLDS

Better Demand and Higher Country Prices—Coriander Up Again—West Indian Orange Higher—Heavy Cinnamon Oil Advanced—Lemon Continues to Display Weakness

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced

Oil Cinnamon, Ceylon, \$1 lb. Oil Orange, West Ind., 20c lb.
Oil Cassia, Tech., 5c lb. Oil Peppermint, U.S.P., 10c lb.
Oil Coriander, \$2 lb.

Declined

Oil Amber, Rect., 10c lb. Oil Angelica Rt., \$2 lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year
Oil Bergamot	\$4.40	\$4.40	\$4.50	\$5.75
Oil Citronella, Ceylon .....	.53	.53	.54	.32
Oil Cloves	2.00	2.00	2.10	1.30
Oil Lemon .....	.75	.75	.80	.70
Oil Peppermint, Natural	1.85	1.85	1.75	2.40
Oil Sandalwood E. I.	7.10	7.10	7.20	7.00
Oil Sassafras, Artif. ....	.45	.45	.45	.57
Benzaldehyde, U.S.P.	1.40	1.40	1.40	1.50
Coumarin	3.00	3.00	3.00	4.75
Methyl Salicylate, Cans .....	.35	.35	.35	.35
Vanillin .....	.50	.50	.50	.50
Average	2.09	2.09	2.09	2.28

Orders have been small, but trading quite steady during the week past. Buyers most certainly will not cover for future requirements when the tariff on essential oils and aromatics is in such an uncertain position. With the passage of the bill by Congress, stability and confidence may return. Hesitancy in importing is to be expected. This week, peppermint oil was firmer. Higher cables made the coriander rise of a week ago general. Ceylon cinnamon oil is higher. West Indian orange oil is firmer. Lemon continues weak. Wormseed, petit grain and eucalyptus continue soft. Expressed limes, hemlock, and spearmint are strong.

Essential Oils

Oil Amber—Crude still at \$1.00lb. spot. Rectified slightly cheaper at \$1.15.

Oil Angelica—Oil of root easier \$38.00 spot. Seed steady \$40.00.

Oil Anise—Very firm and strongly held. Prices unchanged 50c@55c technical and 60c@65c for lead free.

Oil Bergamot—Quiet without demand. Prices unchanged \$4.40@4.50lb. spot coppers.

Oil Cajuput—Named higher some quarters 80c native, 85c U. S. P. Others 70c native and 75c U. S. P.

Oil Camphor—Steady spot at 19c@20clb. genuine Japanese white in drums. Chinese 17c@19c as to quantity and seller.

Oil Caraway—Still spot \$2.25lb. rectified. One seller has moved up to \$2.35 inside.

Oil Cassia—Firm at recently noted higher levels. U. S. P. at \$1.75lb. spot, with \$1.70 named in one quarter. Technical firmer \$1.25@1.30lb. Sale of a fifty case lot between dealers here at \$1.20.

Oil Cedar Leaf—A-1 quality at 85c spot cans. Other goods named down to 75clb. as to seller.

Oil Cinnamon—Heavy Ceylon oil cinnamon is firmer on spot and holders have jacked prices to an inside of \$12.00lb.

Oil Citronella—Quoted generally in the trade here at 53lb. spot Ceylon oil in drums although demand is slower and easier tendency is noted. Sales in a big way between dealers 52½c. Java oil 75c.

Oil Cloves—Dull and unchanged at \$2.00lb. spot oil cans. Bottles \$2.10 up. Price ranges to \$2.25 as to distillers.

Oil Coriander—Following the announcement last week that some spot holders had jumped their prices from \$8.00 up to \$11.00, further higher cables from Germany made the spot market a unit on price at another advance to \$11.50lb. Now strongly held at this level.

Oil Eucalyptus—Still a weak item at 35c@37clb. spot U. S. P. oil in cases. Demand at a standstill. Discouragement of production in Australia expected to bring short crop and higher prices next season.

Oil Hemlock—Little or no spruce or hemlock available on spot or in country. Small lots only at \$1.00lb.

Oil Lavender—U.S.P. as to quality \$3.00 up to \$4.50 lb. spot. Steady with fair demand. Spike 80c@85c.

Oil Lemon—With shipment again back in the vicinity of 65c c. i. f., spot New York prices do not stand much higher. Generally named spot at 75clb. and soft thereat in five copper lots ranging to 80c for singles. As to brand, up to 95c. In a big way, sales in the trade between dealers have been reported as low as 70c spot duty paid this week.

Oil Limes—Expressed oil limes now inside at \$3.00lb. the \$2.85 man of last week having moved up. Distilled oil firmer 50c.

Oil Orange—West Indian has shot up to \$2.75lb. spot on higher cables for shipment. Sicilian unchanged and quiet \$3.10@3.25 spot.

Oil Peppermint—Firm on spot reflecting the higher prices apparently being well maintained by the country. Natural oil spot cases at \$1.85lb. U. S. P. redistilled case lots higher this week \$2.10 spot.

Oil Sandalwood—Sales reported at \$7.10lb. spot U. S. P. this week.

Oil Spearmint—Very firm. Inside \$3.00, others \$3.15 and \$3.50 spot.

Oil Wormseed—Offered freely spot at \$3.00lb. Others best at \$3.15 and \$3.25.

Aromatic Chemicals

Acetophenone—Spot \$3.50@4.00lb. Import of four cases noted last week.

Benzaldehyde—Makers \$1.40 U. S. P., \$1.60 f. f. c. unchanged. Better demand. Small lots in outside hands up to \$1.75 and \$1.90.

Coumarin—Steady, but quiet at \$3.00lb. from manufacturers.

Methyl Salicylate—Selling freely second hands spot single 50 pound cases 33clb. Makers inside 35c.

Phenylethylalcohol—Domestic spot at \$4.00lb. Imported as to grade \$4.00@5.00lb.

Vanillin—Demand slower. Prices unchanged. Makers 50c ounce; outside holders 48c.

Essential Oil Notes

Both spruce and hemlock oils are practically unobtainable on spot.

The importation of perfumery and toilet soaps into Poland has been prohibited.

With practically no oil tansy available here or in the country, the single distiller will in all probability not be in a position to ship new crop oil before August.

Paul Rieger, of the perfume and extract manufacturing firm of Paul Rieger & Co., San Francisco, has been elected president of the Rotary Club of that city.

Warren Burns, vice president of Morana, Inc., New York, will sail for Europe on June 17th aboard the Rotterdam. Mr. Burns expects to spend the greater part of the summer in France.

The Chicago Perfumery, Soap and Extract Association continues its meetings weekly on Wednesdays at the Elks' Club, Chicago. The luncheons are proving very popular means for transacting business.

Customs stamps are no longer required on perfumery cartons. The revenue tax imposed under section 600 (c), Act of Feb. 24, 1919, is now collected like other taxes and deposited with the Treasurer of the United States.

A step-daughter of Richard Hudnut, the perfumer, Winifred Hudnut, is reported to have been married recently to Rodolph Valentino, film actor and star of the "Four Horsemen of the Apocalypse". Miss Hudnut is known in theatrical circles as Natacha Rembova.

In the bowling contests between members of the Chicago Perfumery, Soap and Extract Association, "Bill" Barrett, representing A. L. Van Ameringen in Chicago, defeated W. L. Filmer, last week, by bowling 218. The games continue for two more meetings of the Association.

The Board of United States General Appraisers ordered duties refunded to Fritzsch Bros., paid under protest on cases of cassia oil delivered in bad condition. In regard to other cases which were stuffed with oats and ashes, the Board decided that the evidence was not sufficient to warrant the return of duties paid.

A reduction in the duty on compounds as now proposed will more than likely strike harder at the American perfumer than the proportionate protection which it will give essential oil houses here, owing to the quantities of foreign perfumes which are brought in here in bulk as compounds and made up with alcohol after arrival.

In an effort to secure the perfume business of Mexico for a home industry, a factory has been opened at Juarez, Mexico, by a company known as La Crisantema, S. A., Fabrica de Perfumes y Aguas de Tocador under the direction of F. W. ten Napel, J. Molinar y Rey, and H. Navarro. The business is aimed to drive out foreign perfumes and toilet goods from Northern Mexico.

Frank Woodworth, of New York, has been elected managing director of the Manufacturing Perfumers' Association. Owing to this new work, Mr. Woodworth has found it necessary to resign as secretary of the Perfumery, Soap, and Allied Industries of New York. Prior to becoming director for the Perfumers, he was connected with Antoine Chiris Co., New York essential oil importers and manufacturers.

PERFUMERS DISCUSS THE TARIFF

At the May meeting of the Perfumery, Soap and Allied Industries of New York, at the Hotel Brevoort last Thursday evening, the 18th, the proposed tariff rates held the center of the stage. Although it was indicated that Congress would not accept 100 per cent on finished goods, 80 per cent was said to be probably allowable. Among the speakers were Gilbert Colgate, president of the Manufacturing Perfumers' Assn., Victor Vivaudou, Warren Burns, of Morana, Inc., L. A. Van Dyk, and Edwin Sefton, who presided. Mr. Vivaudou predicted that with the passage of the present tariff on raw materials, the industry would become the victims of the "customs house sharks" and that cost of manufacture would be increased 15 to 25 per cent.

Mr. Colgate told of the work of the M.P.A. tariff committee in Washington in attempting to secure the proper protection. Warren Burns discussed the rates on compounds and flower oils, and predicted that in the future most of the compounds would be made here by representatives of the French houses. L. A. Van Dyk startled the meeting by announcing that Grasse is the biggest consumer of synthetics in the world, and that not one per cent of so-called flower oils which come into the United States, are pure. Mr. Burns replied and stated that fifty per cent was nearer correct.

Owing to his having accepted the directorship of the Manufacturing Perfumers' Assn., Frank Woodworth, secretary of the Perfumery, Soap and Allied Industries, tendered his resignation at the meeting. James Byrne was elected to succeed Mr. Woodworth.

FRENCH ESSENTIAL OILS QUIET

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Marseilles, May 12.—Orders are scarce in the essential oil market. Quotations on kilo lots are:

	Francs
Aniseed, Tonka	nominal
Aniseed, Chinese	nominal
Rosewood	nominal
Cananga, Java	32
Citronella, Java and Ceylon	—
Geranium, Bourbon	110
Clove	nominal
Palmarosa	nominal
Patchouli	240
Petit grain	50
Sandalwood	250
Ginger grass	—
Vervain	24
Vetivert, Bourbon	120
Ylang Ylang, Bourbon, 1st quality	125
Ylang Ylang, Bourbon, 2nd quality	70

MUST REGISTER BEFORE JULY 1

The National Wholesale Druggists' Association calls the attention of members to the Government requirement that all persons, firms, or corporations liable for special taxes requiring registration, must re-register on or before July 1, next.

Of particular interest to members are the following taxes:

1. Wholesale and Retail Liquor Dealers' Tax Stamps.
2. Narcotic Taxes—manufacturers, wholesale dealers, physicians and hospitals, general stores handling exempt narcotic preparations.
- 3.—Persons liable for beverage and sirup taxes under Revenue Act of 1921 must re-register.

The Consuming Industries

CHEMICALS FOR PURIFYING WATER IN GOOD DEMAND IN SOUTH AND WEST

Greensboro, N. C., to Install Filtration Plant to Cost \$90,000—Trenton, Miss., to Spend \$175,000 on Extension of Waterworks and Purification Plant—Other Cities Seeking Bids

The City Council, Greensboro, N. C., will soon call for bids for the construction of a new filtration plant, consisting of six units, each of about 1,000,000 gallons capacity, estimated to cost approximately \$90,000. J. L. Ludlow, Winston-Salem, N. C., is engineer.

The Department of Public Service, Wellsville, Ohio, will install a new filtration plant at the waterworks. Morris-Knowles, Inc., Hanna Building, Cleveland, Ohio, are engineers. T. R. Snowden is director of the department.

The Board of Trustees, Moore Haven, Fla., has authorized an immediate call for bids for the construction of a new filtration plant, with capacity of about 250,000 gallons. C. E. Frederick, Moore Haven, is engineer.

The City Council, Monroe, Mich., is calling for bids until May 29, for the construction of a new filtration plant at the municipal waterworks. F. M. Kressbach is city clerk.

The Common Council, Trenton, Miss., is planning for the installation of a new filtration plant, in connection with extensions and improvements in the waterworks, estimated to cost about \$175,000.

The City Council, Thomas, W. Va., has plans under way for the construction of a filtration plant at the waterworks, in connection with improvements in the water system, estimated to cost about \$35,000.

The City Council, Ely, Minn., is calling for bids until June 6, for filtration equipment for a 1,000,000-gallon capacity plant. A. O. Knutson is city clerk.

The City Council, Gallatin, Tenn., is planning for the installation of a new filtration plant. W. H. Bryce, First National Bank Building, is engineer.

The Common Council, Vinta, Okla., has plans under way for the installation of a new filtration plant at the waterworks.

The Benton Harbor (Mich.) City Council will build a filtration plant at the city waterworks.

The City Council of Marshalltown, Ia., will construct a filtration plant.

The Southwest Pulp & Paper Co., has acquired a tract of property in the vicinity of the Monroe-Columbia Highway, Monroe, Louisiana, totaling about 18 acres of land, as a site for the erection of a new pulp and paper mill. It is expected to begin construction this year. The plant is estimated to cost about \$250,000, including equipment.

Artificial silk is selling principally to hosiery manufacturers. Other industries are for the time being small consumers of the product.

New Consuming Companies

R. J. Fitzsimmons Corp., New York, capital \$50,000. Photographic supplies. S. D. Fitzsimmons, J. J. Donovan, J. M. McCarthy. Attorney, M. Nolan, 2 Rector st.

Reiters Drug Stores, New York, capital \$20,000. M. Reiter, J. Scheinhorn. Attorney, D. Scheinhorn, 178 Rivington st.

Kanders's Pharmacy, New York, capital \$50,000. B. Kanders, A. Simetz, A. Lipschitz. Attorneys, Ehrich & Menche, 67 Exchange Place.

Associated Cleaners and Dyers' Corp., Brooklyn, capital \$20,000. G. Ehlich, D. Dorfman. Attorney, F. Dorfman, 160 Broadway, New York.

Capitol Products Corp., Albany, capital \$10,000. To make drugs and paints. E. H. Brown, P. J. McLure, R. B. Streeter. Attorney, M. H. Messimer, Albany.

Scotts Preparations, Wilmington, Del., capital \$25,000. To make medicinals. Incorporated by the Corporation Trust Co. of America.

Cesar Resilient Tire Corp., New York, capital \$200,000. P. Di Cesar, C. Capria, J. Panagrosso. Attorney, F. J. Rinaldi, 167 E. 121st st.

American Veterinary Medicine Supply Co., Brooklyn, capital \$100,000. E. S. Davis, F. Elbaum, S. Lifschitz. Attorney, A. A. Sarafan, 140 Nassau st., New York.

Keystone Match Corp., Wilmington, Del., capital \$250,000. Incorporated by the Colonial Charter Co.

Russell Paint Corp., Dover, Del., capital \$100,000. H. T. Germann, J. Young, Charles L. King, Pittsburgh. Incorporated by the Capital Trust Co. of Delaware.

Kleenall Mfg. Co., Philadelphia, capital \$100,000. Incorporated by the Corporation Guarantee and Trust Co.

Premier Record Co., New York, capital 2,500 shares preferred stock, \$100 each; 500 shares common, no par value; active capital \$300,000. D. Groesse, F. A. Desilva. Attorney, C. J. Giudice, 61 Park Row.

Ella Singer Co., Atlantic City, N. J., capital \$100,000. To make toilet preparations. Ella Singer, Alice C. Chison, Wm. J. Riley, Atlantic City.

Continental Match Co., Wilmington, Del., capital \$1,000,000. Incorporated by the Corporation Trust Co. of America.

Boston Printing Ink Co., Boston, capital \$50,000. Zenas R. Taylor, Daniel S. Schneider, Helen L. Goodman, Boston.

Arctic Fur Dyeing Co., 140 Market st., Paterson, N. J., capital \$200,000.

State Drug Stores, 9 Clinton st., Newark, N. J., capital \$100,000.

The Supercide Co., Boston, capital \$100,000. Chemical products.

Pelton Knitting Mills, Inc., Boston, capital \$100,000.

Hayward Hosiery Co., Ipswich, Mass., capital \$200,000.

Rheabart Corp., Boston, capital \$500,000. Vegetable fiber manufacture.

The Herb Paper Box Co., Columbus, O., capital \$100,000.

Mutual Paper Box Corp., Chicago, capital \$100,000.

Detroit Dental Mfg. Co., Detroit, Mich., capital \$200,000.

Iroquois Beverage Corp., Buffalo, N. Y., capital \$50,000. F. M. and E. Beck, A. Schelling. Attorney, C. J. Deckof, Buffalo.

Naugatuck Tire & Rubber Co., Wilmington, Del., capital \$1,500,000. To manufacture automobile tires and other rubber products. Incorporated by the Corporation Service Co., Equitable Bldg., Wilmington.

Fire Retardant Products Co., San Francisco, capital \$600,000. To manufacture fireproof paints. Edward C. Healy, Henry Sanford, W. H. Farnsworth.

August Bode, Borough of Queens, New York City, capital \$20,000. Fur dyeing. A. Bode, J. H. Lowenstein, L. Levy. Attorneys, Levy, Gutman & Goldberg, 277 Broadway, New York.

Mechanicsburg Hosiery Mills, New York, capital \$65,000. L. and M. Lipschitz. Attorney, D. E. Singer, 27 Cedar st.

Paul's Pharmacy, New York, capital \$9,000. M. J. Knoechel, I. E. Riessick, F. J. Kinsley. Attorneys, Donnelly and Kadel, 204 Third ave.

Pasquier Co., Bronx Borough, New York City, capital \$25,000. Drugs. A. J. and D. L. Martinez, L. H. Federber. Attorneys, Frayer, Alden & Ehrhardt, 50 Church st.

Non-Acid Fertilizer & Chemical Co., Lakeland, Fla., capital \$600,000. H. E. Menninger, C. W. Dean, Dr. C. C. Hardin. Construction of plant begun.

United States exports of rubber goods for March amounted to \$3,524,775, or \$1,398,245 more than for February, an increase of 66 per cent.

CANADA'S WOOLEN INDUSTRY GROWING

(Special to DRUG & CHEMICAL MARKETS)

Toronto, May 24.—Production in the woolen textile industry of Canada was active during 1920, according to the report of the Dominion Bureau of Statistics. During that year woolen goods were produced to the value of \$28,018,585, woolen yarns \$9,153,210, and wool felts \$3,516,692. That record represents the peak of production in the woolen industry for civilian account. The extent of the industry is most effectively shown by the following statistics:

	Woolen Goods	Woolen Yarns
Establishments	66	16
Capital, investment	\$22,783,128	\$6,438,991
Employees on salaries	299	51
Salaries paid	\$782,213	\$109,095
Employees on wages	5,305	1,209
Wages paid	\$4,625,302	\$909,065
Fuel costs	\$532,650	\$159,837
Miscel. expenses	\$3,456,721	\$1,029,755
Cost of materials	\$14,720,413	\$5,398,096
Value of products	\$28,018,585	\$9,153,210

The production of wool felts for paper making has increased considerably in recent years and has become an important industry.

There has been a distinct improvement in the quantity and quality of the work produced in the various cotton mills in Canada during the year just past with a higher degree of efficiency on the part of labor. Wages have not been reduced in proportion to the fall which has taken place in many commodities or in the cost of living, the aim being to maintain wages on a more equitable basis than was formerly the case, as compared with other industries, and the cotton industry has offered to workers steadier and more remunerative employment than any other industry in Canada.

The World Rubber Products Co., 518 West Fifty-eighth street, filed schedules in bankruptcy May 23, listing liabilities of \$15,852 and assets of \$20,375, main items of which are stock, \$7,500; cash, \$6,010; fixtures, \$4,000, and accounts \$2,275. Principal creditors listed are E. I. Dupont de Nemours & Co., \$5,297; George W. Copp, \$1,780; Cosmopolitan Bank, \$1,250.

The Corrugated Rubber Co., 25 West Fifty-third st., New York, will soon begin the erection of a new one-story plant at Poughkeepsie, N. Y., to cost about \$90,000. W. J. Beardsley, 49 Market st., Poughkeepsie, is architect.

James R. Giebel, president of the Reading (Pa) Towel Mfg. Co., has bought the Glasser Hosiery Co.'s mill in Reading, and will move the Reading Towel Mfg. Co.'s equipment to the Glasser plant.

The Calcutta jute market is very strong, with prices higher:—Firsts, Rs. 73, May, Lightnings, Rs. 64. Hessians are very firm, with advancing prices. Heavies are fully steady. B. Twills, Rs. 42½.

The Sumatra Rubber Specialty Co., Salem, Ohio, a new organization, has acquired a local building and will commence the immediate installation of machinery and materials.

Manufacturers of goods for rubberizing and leatherizing are now confident that they have passed by the dull spots that were so paralyzing in the past six months.

The Rochambeau Worsted Co., Providence, R. I., is to build a three-story brick manufacturing building.

The Glucocorine Co., of Philadelphia, has leased a loft at 176 Front st., New York.

Trade Tips for Sellers

The Danvers Bleachery and Dye Works, Peabody, Mass., is building a new bleachery plant.

Carl Rudisill is building a cotton mill at Cherryville, N. C. Mr. Rudisill has promoted eight mill companies in the last few years.

The International Chemical Products Co., Glendale, Cal., will build a plant for the manufacture of printing inks.

Williams, Skinner & Sons., Holyoke, Mass., will build a five-story addition to their silk plant, estimated to cost \$100,000.

The Nassef Mfg. Co., New Bern, N. C., has added khaki and dress trousers made of cotton and woolen goods, to their output which has been mainly overalls.

The Lowell (Mass.) Bleachery has joined with the Kincaid Manufacturing Co., of Griffin, Ga., and has organized a joint enterprise to be known as the Lowell Bleachery, South, with principal offices in the town of Experiment, Ga.

The Twin City Glass Co., of Fort Smith, Ark., will build a plant 50x100 ft., to be equipped for the manufacture of bottles. It is proposed to begin production late in June, giving employment to about 100 operatives. Harry Hart is president.

A charter has been filed at Dover Del., consolidating the Stitchbound Hosiery Mills, Inc., Reading, Pa., and the Reber Manufacturing Co., Pottsville, Pa. The new firm, the capitalization of which is \$2,000,000, is to be known as the Stitchbound Hosiery Mills, Inc..

The Princess Yarn Co. will erect a new mill in the Pawtuxet Valley. The main building, 50x100 feet, will be of mill construction, with a boiler house. The contracts call for the completion of the building within 30 days, for the installation of the machinery in 90 days. Employment will be given to 45 hands. E. A. Risley, of Providence, is treasurer and manager.

The new Customs Tariff Amendment Act of Sweden has been put into effect from March 27, 1922, by a Royal Decree, according to advices received by the Tariff Division of the Department of Commerce. The duties on some articles have been increased as much as five times the former rates; others are but slightly advanced certain of the luxury rates in effect since June 6, 1921, are retained; while in a few instances reductions are to be found in the schedule of changes. The commodities covered by this amendment include animal or vegetable conserves, hermetically sealed; certain hides and skins; certain fur skins; certain articles of fur.

The importation of shoes from the United States into Japan has not been attended with success because American shoes have been unable to compete in price with those of local manufacture, and they have been unsuited to Japanese use on account of their shape, says Consul Langdon, Yokohama, in a report to the Department of Commerce. The average Japanese foot is broader than that of the Occidental, particularly between the ball of the foot and the base of the small toe, and has straight, widely separated toes—a foot that roughly resembles a triangle in shape, with the apex at the heel. Such a foot cannot possibly be incased in a shoe of standard American size with comfort.

The Foreign Markets

Imports of Drugs, Chemicals, Dyestuffs, etc., Page 1217

CHLOROFORM AND SHELLAC LOWER

Advances Announced on Arsenic and Cocaine—Oils Caraway and Citronella, and Tartaric Acid—Balsam Peru, Oil Bergamot, Cloves, Menthol, and Star Anise Oil Prices Easier

(Special Cable to DRUG & CHEMICAL MARKETS)

London, May 24.—Business in crude drugs and fine chemicals continues to be restricted owing to indisposition of consumers to meet their future requirements. There are few price changes this week, and the fluctuations are within narrow margins. Higher prices are asked for arsenic and cocaine.

The market is firmer on oils caraway and citronella, and tartaric acid.

There is an easier tone on balsam Peru, oil bergamot, cloves, menthol, and star anise oil.

Lower prices are announced on amidopyrine, chloroform, B. P., cubebs, formaldehyde, and shellac.

London, May 12 (By mail).—The introduction of the Budget has made very little difference in the drug markets, neither sugar nor spirit being touched. The import duty on cocoa butter has been reduced from 4½d to 3d per lb. Perhaps the small concession as to income tax may give some relief to men of business, and so lead to an improvement in trade.

Bergamot oil is easier, there being now sellers at from 17s 6d to 18s 6d per lb. on spot.

Bromides are in improved demand, and the price is firmer, ammonium being quoted at 11½d, potassium at 10½d, and sodium at 10d per lb.

Caffeine is lower, having been reduced by English makers to 16s per lb.

Citric acid continues firmer and is in good demand, from 2s 2d to 2s 3d per lb. being now asked.

Cocoa butter is easier, the price of prime English ex-works being now 1s 7½d per lb. in 1 ton lots.

Cod liver oil. The Lofoten fishery is now finished, and prices have declined, the quotation being now 110s c. i. f. London for the most part, although today we are offered at the specially low price of 91s 6d per barrel of 25 galls delivered.

Farina is again firmer, at 35s per cwt. for Dutch on spot and 32s per cwt. for Japanese No. 1 to arrive.

Lead products—Pig lead has considerably advanced, so a rise of £2 a ton has been made in litharge, red lead, and dry white lead.

Lined oil has firmed up during the past week, but at the last moment has taken an easier turn, closing at 40s 6d per cwt. for May-August deliveries.

Menthol is a little easier, at 24s 3d per lb. on spot for Kobayashi, Suzuki.

Oil caraway is firmer, at 8s 6d per lb. for Dutch, double rectified, and 7s 6d per lb. for crude.

Saltpetre. English refiners of Bengal saltpetre have reduced their prices by 2s per cwt.

Star anise oil is dearer, 2s 2d per lb. now being the value for "Red Ship" brand on spot.

Tartaric acid is firmer in tendency, some English makers having advanced their prices to 1s 4d per lb. for crystals, and 1s 4½d per lb. for powder.

FOREIGN EXCHANGE		Par	Current
Great Britain (pound sterling)		\$4.886	\$4.448
France (franc)		.193	.091
Italy (lira)		.193	.051
Germany (mark) per hundred		23.80	.320
Czechoslovakia (crown) per hundred		20.30	1.900
Austria (crown) per hundred		20.30	.012
Poland (mark) per hundred		23.80	.025
Japan (yen)		.499	.473
Spain (peseta)		.193	.159
Holland (guilder)		.402	.388
Belgium (franc)		.198	.083
Norway (crown)		.268	.181
Switzerland (franc)		.193	.191
Sweden (crown)		.268	.259
Denmark (crown)		.268	.213
Argentina (peso)		.424	.365
Brazil (milreis)		.279	.139
China (Silver dollar—Hongkong)		.789	.600
(Tael—Shanghai, silver)		1.082	.818
(Tael—Peking, silver)		1.156	.885
Russia—(100 rubles)		\$1.50	.100

BRITISH OIL EXPORTS INCREASING

London, May 13.—During the quarter ending with March, the exports of unrefined vegetable oils manufactured in Great Britain amounted to 24,195 gross tons, comparing with only 14,697 tons in the corresponding period of 1921. Of the total no less than 17,684 tons were linseed oil, more than double the total of January-March last year, when 7,584 tons were shipped to overseas destinations. This enormous increase in linseed oil shipments has been brought about exclusively by the unusually heavy purchases by American importers.

A new process for cleaning gum copal or kauri gum, used largely in varnishes, has been devised in New Zealand. The delivered product from this operation is 98 per cent pure as against 80 to 85 per cent in other processes, according to a report to the Department of Commerce from Consul McVitty, Auckland. This new method of treatment, which has been in operation for some weeks, will reduce the time of treatment, it is claimed, from the swamp face to shipping package to two hours, and will cut the cost \$15 per ton.

During March, 1922, 612 lots of coca arrived in Amsterdam, which with the stocks on hand February 28, totaled 1,051 colli. Deliveries during March amounted to 1,011 colli, leaving total stocks at the end of March at 40 lots. The tone of the market is very firm and the range of prices on March 31 was: under 1%, 57 cents per half kilo; from 1 to 1.19%, 62 cents; 1.20 to 1.39%, 66 cents; 1.40 to 1.59%, 68 cents; 1.60 to 1.79, 70 cents; 1.80 and more, 72 cents (Dutch currency).

Chinese capitalists, of Hankow, will develop 13,000 acres in Honan by cultivation of peanuts, and have imported from the United States a one-wheel tractor, disk harrows and two-furrow gang plows. The farm for which these implements have been secured is under the supervision of agricultural students trained in the United States.

The duty on chicle exported from British Honduras has been decreased from 3 cents to 1½ cents per pound, by Ordinance No. 15 of 1922, effective from April 22, 1922. The new duty applies to chicle produced in the Colony as well as that shipped in transit through the Colony.

FRENCH CRUDE DRUG PRICES UNCHANGED

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Marseilles, May 12.—The Crude drug market is still quiet with little change in prices. Quotations on 100 kilo lots follow:

Agar agar	.....	nominal
Asafetida	.....	1100 a 1150
Star anise	.....	335
Foenugreek	.....	55
Fennel	.....	180 a 190
Cevadilla	.....	275 a 300
Cumin, Moroccan	.....	300 a 320
Cinnamon, Chinese	.....	230 a 240
Cinnamon, Ceylon	.....	545 a 555
Cochineal	.....	800
Aloes	.....	250 a 275
Senna	.....	150 a 200
Saffron	.....	42,500
Pimento	.....	145 a 150
Opium 8 to 9% morphine	.....	13,000
Benzoin, Palembang	.....	300
Sumatra	.....	—
Cardamom	.....	900 a 1,200
Coriander	.....	110 a 120
Refined camphor	.....	2100 a 2150
Pyrethrum flowers	.....	1400
Henna in leaves	.....	250 a 350
Cloves St. Marie	.....	600

SHIPMENTS OF FRENCH POTASH

Heavy chemicals are inactive in France, but mineral acids are fairly normal. Chemicals for tanneries, glass, bleaching, and perfume find small demand. The market for potash fertilizers is quiet as the season is nearly closed. Recent figures from Mulhouse show 17 potash mines operating in Alsace, as against 200 in Germany. Shipments of potash salts during the first quarter of 1922 increased 46 per cent over the same period of 1921. Four concentrating works are now producing potassium chloride and a fifth is expected to be in operation before the end of the year.

Copper sulfate producers in Italy, an industry that has been developed considerably during the war period, have been disappointed in the refusal of their petition to the Italian Government for an additional duty on this chemical. Italian consumption of copper sulfate is reported to be close to 100,000 tons annually.

Foreign Trade Opportunities

The Department of Commerce, Washington, D. C., has received the following inquiries for drugs, chemicals and accessories. Reserved addresses may be obtained from the Bureau and its district and cooperative offices. Request for each opportunity should be on a separate sheet and state opportunity number. The Bureau does not furnish credit ratings or assume responsibility as to the standing of foreign inquirers; the usual precautions should be taken in all cases.

1973—A firm of importers in Italy desires to purchase oils and fats for the manufacture of soap. Quotations should be given c.i.f. Genoa. Terms: Cash against documents. References.

1974—A municipality in Canada desires to purchase a chlorination plant for its water system. Quotations should be given f.o.b. shipping point. Reference.

1977—A merchant in Belgium desires to secure an agency on commission and consignment, for the sale of industrial and refined cottonseed oil, corn oil, peanut oil, fish oil, whale oil, animal greases, industrial and edible; and in general all oils and greases. Quotations should be given c.i.f. Belgian port. Terms: Cash against documents. Correspondence desired in French. References.

1978—There is a market in Spain for pharmaceutical preparations, specialties, toilet articles, and photographic supplies. Quotations desired c.i.f. Spanish port. Correspondence should be in Spanish. Reference.

1979—A mercantile firm in Turkey desires to purchase paraffin and glucose. Quotations should be given c.i.f. Turkish port. Correspondence desired in French. References.

MOVING BAG FACTORY TO INDIA

The United States is about to lose its bagging industry. The two domestic companies are now erecting bagging mills in India, and have shipped abroad part of the bagging machinery formerly operated in this country. The only type of jute cloth produced in the United States is the heavy coarse wrapping, known as cotton bagging, used for covering raw cotton. About 90,000,000 yards of bagging are required annually to cover the American cotton crop. Practically all of the new cotton bagging consumed in this country is supplied by two American companies, which are the world's leading manufacturers of this article. A report by the United States Tariff Commission says: "Imports of burlap, which is used chiefly for bags and wrappers, as a backing for linoleum, and as paddings in coats, are far greater in value than imports of any other textile. Ordinarily, the value of foreign burlaps consumed yearly in the United States is about equal to the combined value of all the wool manufactures imported under schedule K, and of all the countable cotton cloth. Total imports of wool manufactured in the same year were valued at \$51,453,000 and of countable cotton cloth at \$44,913,000."

OLIVE OIL PRICES LOWER IN ITALY

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Genoa, May 12.—The mistaken principle of keeping too high the price of olive oil brought substitutes in the form of deodorized soya bean oil, and deodorized cottonseed oil. Export orders fell off because dealers could not meet the competition of Spanish, French and Greek olive oils. After having lost large quantities of olive oil that went rancid, the producers decided to reduce prices as follows, per 100 kilos: Mol-fetta extra, lire 800 to 900 (Milan); lire 840 to 850 (Genoa); lire 800 to 900 (Trieste); Calabrian, lire 800 to 900 (Milan); lire 650 to 675 (Genoa); lire 700 to 800 (Trieste); lire 690 to 710 (Bologna); lire 680 to 720 (Naples); Ruvuera, lire 900 to 1,000 (Milan); lire 830 to 835 (Genoa).

PRODUCTIONS COSTS IN GERMANY HIGHER

Production costs of the German cotton industry have risen continuously, says Consul Dawson at Munich in a report to the Department of Commerce, wages alone having increased from 80 to 100 marks during the past year. At present exchange rates German textiles have reached world market prices, as is apparent from Manchester quotations as well as offers from Alsatian mills. It must further be remembered in this connection that foreign offers are for finished goods for immediate delivery, whereas German mills can quote for delivery only in two or three months, plus an additional delay of eight to ten weeks for preparation for shipment. In view of price and exchange fluctuations, this entails a heavy risk for purchasers, and many wholesalers openly state that they prefer to pay a somewhat higher price for foreign goods immediately available.

MEXICAN FIRM TO HANDLE SPECIALTIES

Sanborn Brothers, of Mexico City, Mexico, have issued a circular announcing their retirement from the wholesale drug business in the Republic of Mexico. They will hereafter devote their energies to promoting lines which they represent exclusively in that country.

Factors in the dye and intermediate trades look for a slow Summer followed by a very active Fall. It is even prophesied that September will be the best month of this year.

Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

EXPLANATION

Prices current quoted herein are spot New York, unless otherwise indicated, for goods in large quantities in original packages of the customary trading unit of weight or measure. Re-sale prices are quoted when second-hands are a factor in the market.

The price range (two sets of figures, e. g., 16-19) indicates either prices for different quantity orders, or else that different manufacturers or importers quote different prices. All price ranges are inclusive.

All quotations are made on the basis of avoirdupois pounds and ounces or American gallons. For the ready reference of exporters and foreign buyers the following tables of equivalents are published:

WEIGHTS AND MEASURES

1 Imperial Gallon (Brit.)—1.20 Amer. Gallons
1 American Gallon—3.78 Imperial Gallon
1 American Gallon—3.79 liters
1 Liter—.264 American Gallon
1 American Gallon (H ₂ O) weighs 8.35 pounds
1 Pound (Avoirdupois) weighs .454 Kilogram
1 Kilogram weighs 2.20 pounds (Avoirdupois)

Acids

Acetic, See Heavy Chemicals

Acetyl-salicylic, 200 lb. bbls..	.76	—	.80
Benzoic, U.S.P., 100 lb. bbls..	.55	—	.75
Boric cryst., 250 lb. bbls..	.11½	—	.12½
Powdered, bbls..	.11½	—	.12½
Butyric Tech., 98 p.c., cys..	.11½	—	.12½
Camphoric, U.S.P..	4.65	—	4.75
Carbolic cryst., U.S.P. 1-lb. bottle..	—	—	.27
5-lb. bottle..	—	—	.23
50 to 110-lb. tins..	.18	—	.19
Liquid, U.S.P. 1 lb. bot..	—	—	.26
Crude, 25 p.c., drums..	.30	—	.35
Chromic, 98 p.c., drums..	.40	—	.45
Chrysophanic, bxs..	1.70	—	1.90
Cinnamic, See Aromatic Chemicals			
Citric, crystals, bbls..	.45	—	.45½
Powdered..	.46	—	.46½
Imported, 112 lb. kegs..	4½	—	4.5
Creosylic, 95-100 p.c., See Coal-tar Crudes			
Formic 75 p.c., tech., bbls..	.16	—	.18
Gallic, U.S.P., bbls..	.70	—	.75
Glycerophosphoric, 25 p.c., lbs..	1.65	—	1.70
Hydrobromic, 40 p.c., cys..	—	—	.40
Hydrochloric, C.P., carboys..	.07	—	.09
Hydroiodic, 45 p.c., bott..	2.25	—	2.35
Hydrofluoric, see Heavy Chemicals			
Hypophosphorous, 50 p.c., lbs..	1.65	—	1.70
U.S.P., 10 p.c., cys..	—	—	.37
Lactic, U.S.P., VIII, cys..	—	—	.55
U.S.P., IX..	—	—	.65
Malic, bbls..	.42	—	.44
Molybdic, C.P., kegs..	—	—	3.00
Muriatic, see Heavy Chemicals			
Nitric, C.P., cys..	.09	—	.10
Oxalic, See Heavy Chemicals			
Picric, kegs, see Intermediates			
Phosphoric, 85-88 p.c., syr. U.S.P..	.14	—	.19
50 p.c., tech., cys..	.08	—	.09
Pyrogallic, resub. bott..	—	—	1.60
Crystals, bottles..	—	—	1.20
Salicylic, U.S.P., less 1000 lbs..	—	—	.26
Second Hands..	.24	—	.25
Sulfuric, C.P., cys..	—	—	.07
Sulfurous (6-7 p.c.) cys..	—	—	.05
Tannic, U.S.P., 25 lb. bbls..	.65	—	.70
Tartaric, Crystals, bbls..	—	—	.30
Powdered, U.S.P..	—	—	.30
Imported, U.S.P..	.27	—	.27½
Powdered..	.27½	—	.28

Fine Chemicals

Acetanilid, U.S.P., 200 lb. bbl..	.30	—	.31
Acetone, 700 lb. drums..	.08	—	.11
Acetophenetidin, 100 lbs..	—	—	1.85
Aconitine, Alk., Cryst., 1 oz. oz..	15.00	—	16.00
Amorphous, 1 oz. oz..	15.00	—	16.00
Adeps Lanae, Hydrous, bbls..	.10	—	.12
Anhydrous..	.14	—	.16
Alcohol, U.S.P. 190 deg..	—	—	4.70
50 gal. bbls..	—	—	4.75
Cologne Spirit..	4.60	—	4.65
Second Hands, bbls..	.32	—	.40
For Export, U.S.P..	.55	—	.56
Wood, 95 p.c., bbls., drums..	.57	—	.72
Pure, (Methanol) bbls., gal..	.70	—	.78
Acetone free..	.75	—	.78
Second Hands, 95-97 p.c..	.52	—	.53
Detnated, 5 & 6, bbls., Dr. gal..	.25	—	.35
Butyl, Drums..	.20	—	.22
Iso-propyl, crude, bbls..	.25	—	.25
Refined, 50 gal. bbls., drums..	4.00	—	4.50
Alolin, U.S.P., powd..	.85	—	.87
Amidopyrine, 10-50 lbs..	4.00	—	4.50
Ammonium, Acetate, cryst..	.35	—	.38
Benzate, cryst., U.S.P..	.85	—	.90
Bichromate, C. P..	.66	—	.70
Bromide, gran., 50 lb. bx..	—	—	.29
Imported..	.16	—	.18
Carbonate, U.S.P., kegs..	.11	—	.12
Chloride, U.S.P., bbls..	.17	—	.18
Citrate..	1.00	—	1.06
Hypophosphite..	1.35	—	1.40
Ichthyolate (as to brand)..	.75	—	3.00
Iodide, bxs..	4.85	—	4.90
Nitrate, C. P., bbls..	—	—	.40
Oxalate, Pure..	.45	—	.48
Phosphate (Dibasic)..	.17	—	.18
Monobasic..	.17	—	.18
Salicylate, U.S.P..	.53	—	.55
Water, Ammonia, (See Heavy Chemicals)			
Amyl Acetate, bulk, drums..	1.90	—	2.25
Antimony Chlor. (Sol. butter of Antimony), Bbls..	—	—	.10
Needle Powder, casks..	.04½	—	.05
Antipyrine (50-100 lbs)..	2.10	—	2.25
Apomorphine Hydrochlor. ¼s. oz. 12.00	—	—	12.25
Arecoline Hydrobrom. 5 ozs. oz. 14.00	—	—	15.00
Argols, red, powd..	.07	—	.09
Arsenic Red, See Heavy Chemicals			
White, See Heavy Chemicals			
Arsenous Iodide, U.S.P..	—	—	6.10
Atropine, Alk., U.S.P., 1-oz. oz..	5.25	—	5.50
Sulfate, U.S.P., 5-10 ozs. oz..	—	—	1.25
Barbital..	—	—	.25
Barium Carb. prec., bbls..	.17	—	.21
Dioxide, kegs..	—	—	5.65
Iodide, bott..	.06½	—	.07
Nitrate..	3.17	—	3.20
Bay Rum, P. R. Imported	45	—	45
Denatured Salicy. Acid..	3.50	—	3.60
or Tartar Emetic, Barrels	1.50	—	1.60
Denatured, quinine..	2.65	—	2.75
Domestic, synthetic, 80 gal. bbls..	21.00	—	23.00
Benzaldehyde (see Aromatic Chemicals)			
Benzonaphthol..	21.00	—	23.00
Berberine Hcl., 5 lbs..	2.10	—	2.20
Acid Sulfate..	2.10	—	2.20
Neutral sulfate..	2.10	—	2.20
Bismuth Metallic..	2.10	—	2.20
Ammon. Citrate, U.S.P..	2.10	—	2.20
Betanaphthol..	2.10	—	2.20
Citrate, U.S.P..	2.10	—	2.20
Nitrate..	2.10	—	2.20
Oxychloride..	2.10	—	2.20
Phenolsulfonate..	2.10	—	2.20
Salicylate..	2.10	—	2.20
Subbenzoate..	2.10	—	2.20
Subcarbonate, U.S.P..	2.10	—	2.20
For X-ray diagnosis..	2.10	—	2.20
Subgallate..	2.10	—	2.20
Subiodide..	2.10	—	2.20
Subnitrate..	2.10	—	2.20
Cones..	2.10	—	2.20
Second Hands..	2.10	—	2.20
Subsalicylate..	2.10	—	2.20
Tannate..	2.10	—	2.20
Bismuth Preps. basis 25 lb. lots, boxes	.05½	—	.06
Borax, cryst. powd. 400 lb. bbl..	.06	—	.06½
Kegs, 150 lbs..	.20	—	.25
Brucine Sulfate (250 ozs.)..	.23	—	.25
Bromine, bott. cases, wks..	—	—	1.45
Bromoform, 100 lbs..	—	—	1.45
Bromides, See Potass. Brom., etc.			

CLASSIFICATION

Items are classified into divisions based upon industrial and trade use and, within these divisions, are arranged alphabetically. The order follows roughly the order of the market reports in the text pages and the running heads at the top of the page serve as a ready index.

Fine Chemicals—medicinal, photographic, CP reagent acids and chemicals, except synthetic aromatics.

Heavy Chemicals—industrial and metallurgical acids and chemicals, except metals, dyestuffs, tanning materials and fertilizers.

Coal-Tar Products—crudes and intermediates.

Oils—the fatty oils of animal, fish, and vegetable origin.

Crude Drugs—the natural botanical products sold through the drug trade, further subdivided according to class.

Essential Oils—include the oleo-resins and are followed by the synthetic aromatic chemicals.

Cadmium Bromide, 100 lbs..	.95	—	1.00
Iodide..	—	—	4.20
Metal sticks..	—	—	1.00
Caffeine alkaloid, 100 lbs..	3.75	—	4.00
Hydrochloride..	—	—	8.00
Hydrobromide..	—	—	5.25
Citrate, U.S.P..	3.00	—	3.25
Sulfate..	—	—	6.75
Calcium Glycero-phosphate..	1.55	—	1.60
Bromide, 100 lbs..	—	—	.40
Hypophosphite..	—	—	.65
Iodide..	—	—	4.20
Lactate..	.50	—	.52
Phosphate, Precip..	.10	—	.12
Monobasic..	.07	—	.08
Sulfocarbonate..	—	—	.48
Camphor, Am. ref'd bbls. blk. lb.	—	—	.90
16's in 1-lb. carton..	—	—	.95
32's in 1-lb. carton..	—	—	.96
Japan refined, 2½ lb. slabs..	.75	—	.76
Tablets (as to size)..	.93	—	.96
Chinese refined..	.75	—	.76
Monobromated, 100 lbs..	1.70	—	1.75
Caramel, 50 gal. bbls..	.60	—	.63
Carminc, No. 40, 5 lb. bxs..	4.50	—	4.60
Casein, Edible, bbls..	.35	—	.40
Technical..	.14	—	.15
Castor Oil, AA, 50 gal. bbls..	.12	—	.12½
Cerium Oxalate..	.40	—	.42
Chalk, Precip., light, bbls. lb.	.04	—	.05
Heavy..	.04½	—	.04
Drop..	.03½	—	.03½
Charcoal, Powd., bbls..	.04	—	.05
Willow, Powd..	.06	—	.07
Bone Black, Powd..	—	—	.08
Chinoidin, 500 lb. lots..	—	—	.65
Chloral Hydrate, U.S.P., crystals, 25 lb. jars, 100 lb. lots..	—	—	.76
Chlorosane, 5 lb. bot..	—	—	.94
Chloroform, U.S.P. 120 lb. drums..	—	—	.30
Second Hands..	—	—	.28
Chrysarobin, (See Acid Chrysarobin)			
Cinchonidin, Alk., 100 oz. tin oz..	.70	—	.75
Sulfate..	—	—	.50
Cinchonine, Alk., 100 oz. tin oz..	.38	—	.43
Sulfate..	—	—	.25
Cocaine, Alkaloid, 10 oz. oz. oz.	8.00	—	10.00
Hydrochlor., Cryst., Powd.			
25 oz. cans..	—	—	6.00
Small sizes: ¼s 50c extra, ¼s 25c, Singles 7c extra per oz.			
Cocoa Butter, 200 lb. bales..	.27	—	.29
Fingers, cakes, 12 lb. bxs..	.36	—	.37

COPPER SALTS

Acetate
Ammoniated
Carbonate
Chloride
Chloride and Ammonia
Nitrate
Oxide
Sulphate
Sulphuret

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Fine Chemicals

Codeine, Alk., 10 oz. cans...oz.	— 6.10	Ethyl Acetategal.	.93 — 1.05	Iron Citrate, U.S.P., VIII..lb.	— .99
Hydrobromide .....oz.	— 4.90	85 p.c. Ester.....gal.	.62 — .67	and Ammon Citrate, U.S.P.lb.	— .84
Hydrochloride .....oz.	— 5.50	Chloride .....lb.	— .55	Green scales, U.S.P.....lb.	— .84
Nitrate .....oz.	— 4.50	Ethyl Methyl Ketone.....lb.	.12 — .13	Cacodylate, 10 lb. bot.....lb.	9.00 — 10.00
Phosphate .....oz.	— 4.55	Eucalyptol, U.S.P., See Aromatic Chemicals		Chloride, cryst. (ferric).....lb.	.08½ — .09
Salicylate .....oz.	— 4.55	Formaldehyde, bbls. wks. C/Llb.	.07½ — .08	Liquid, 40 deg. 140 lb chys.lb.	— .06½
Sulfate .....oz.	— 4.90	Less Carlots, bbls.....lb.	.08½ — .09	Hypophosphite .....lb.	1.50 — 1.60
Small sizes: ¼s 50c extra, per oz.		Gelatin, silver, 100 lb.cases lb.	.90 — 1.00	Syrup, U.S.P. 1900.....lb.	— .30
Cod Liver Oil, Newf'd.....bbl.	19.00 — 20.00	Gold Label .....lb.	— —	Iodide .....lb.	— 3.80
Norwegian, 30 gal. bbls...bbl.	22.00 — 25.00	Glycerin.....lb.		Oxalate, scales .....lb.	.80 — .82
Colchicine, Alkaloid, 1 oz...oz.	— 25.00	C.P. drums, bbls.....lb.	.14½ — .15	and Ammonium, cryst...lb.	.45 — .50
Salicylate, 1 oz.....oz.	— 35.00	Cans, 50 lbs. ....lb.	.15½ — .16	and Potassium .....lb.	.47 — .48
Collodion, U.S.P. ....lb.	— .25	Dynamite, drums .....lb.	.13 — .13½	and Sodium, cryst.....lb.	.40 — .42
Flexible, U.S.P. ....lb.	— .29	Saponification, loose .....lb.	.09 — .10	Phosphate, U.S.P. ....lb.	— .89
Corn Syrup .....100 lbs.	2.37 — 2.67	Soap Lye, loose .....lb.	.08 — .09	Pyrophosphate, U.S.P. ....lb.	— .94
Corrosive Sublimate, see Mercury		Guaiacol, liquid, (25 lbs.)...lb.	2.75 — 3.00	Metallic, Reduced .....lb.	— .60
Cotton Solution, 5 gal. cans.lb.	.35 — .40	Benzoate (1 lb.).....lb.	— 18.00	Lanolin, See Adeps Lanae	
Coumarin, refined, see Aromatic Chemicals		Carbonate (50 lbs.).....lb.	3.25 — 3.75	Lead Iodide, U.S.P., VIII..lb.	— 2.95
Cream Tartar, U.S.P., bbls..lb.	— .26½	Haarlem Oil, dom., cases.gross	— 3.50	Licorice, U.S.P., Mass.....lb.	— .25
Imported, U.S.P., 224 lb.bbls.lb.	.23 — .24	Imported, cases .....gross	— 5.40	Powdered .....lb.	— .40
Cresote, U.S.P., chys.....lb.	.40 — .45	Hexamethylenetetramine ....lb.	.67 — .70	Sticks .....lb.	— .50
Carbonate, (25 lbs.).....lb.	1.60 — 1.70	Homatropine, Hydrom.5 ozs.oz.	— 15.00	Comp. Powder .....lb.	.11 — .12
Cresol, U.S.P. ....lb.	.13 — .16	Hydrastine, Alkaloid (8 ozs.)oz.	17.00 — 18.00	Lithium Carbonate, kegs.....lb.	1.40 — 1.50
Digitalin, pure, (5-10 ozs.)...oz.	6.75 — 7.00	Hydrochloride .....oz.	17.50 — 18.00	Citrate .....lb.	1.60 — 1.70
Dionin, See Morph. Ethyl Hydrochl.		Sulfate, 5 ozs .....oz.	— 19.50	Magnesium Carb. U.S.P.bbls.lb.	.12 — .13
Dover's Powder, U.S.P.....lb.	— 2.20	Hydrastinine Hdchl. (1 oz.)oz.	— 60.00	Technical, bbls. ....lb.	.06 — .07
Duboisine Sulfate, (1 oz.)...oz.	— 60.00	Hydrogen Peroxide, U.S.P., 10 gr. lots		Blocks cases, 1, 2, 4 ozs..lb.	.18 — .21
Emetine Alk., 15 gr. vials..ea.	— 1.00	8-oz. bottles .....gross	12.00 — 12.25	Glycerophosphate .....lb.	— 3.20
Hydrochloride, (1 oz.).....oz.	16.00 — 17.50	Hydroquinone, 100 lbs. ....lb.	.90 — 1.00	Hypophosphite .....lb.	— 1.20
15 gr. vials .....ea.	.75 — .90	Hyoscine Hydrobrom., 5 ozs.oz.	17.00 — 17.50	Oxide .....lb.	— .53
Epsom Salt, U.S.P. (5 bbls.)cwt.	2.50 — 2.75	Amorphous Alk. (1 oz.)...oz.	— 20.00	Peroxide, cans .....lb.	— 2.15
Technical .....cwt.	1.00 — 1.85	Hydrom. (1 oz.).....oz.	— 50.00	Salicylate, 100 lbs. ....lb.	— .62
Imported, U.S.P. (5 bbls.)cwt.	1.75 — 1.85	Sulfate .....oz.	18.00 — 19.00	Sulfate, (See Epsom Salt)	
Ergotin, Bonjenn .....lb.	10.00 — 10.50	Iodides, See Potass. Iodide, etc.		Malt Syrup kegs .....lb.	— .10
Eserine Sulfate, (1 oz.)...oz.	— 14.50	Iodine, Resublimed, 5 lb. jar.lb.	— 4.20	Manganese Glycerophos. ....lb.	— 2.90
Salicylate .....oz.	— 18.00	Tincture, U.S.P., 50 gal.	— 4.00	Hypophosphite, U.S.P., VIII..lb.	1.85 — 1.90
Alkaloid .....oz.	— 30.00	bbl. ....gal.	— 5.25	Iodide .....lb.	— 5.65
Ether, Nitrous .....lb.	— .97	Iodoform, powdered, 10 lbs..lb.	— 6.25	Sulfate, Crystals .....lb.	— .30
Ether, U.S.P., 100 lb. drums.lb.	— .14	Crystals .....lb.			
Washed, bulklb.	— .31				
Anaesthesia, 100 lb. drums lb.	— .17				
Motor Ether, 1 lb. cans...lb.	— .26				



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Fine Chemicals

— .99	Menthol, 60 lb. cases.....lb.	5.50	— 5.75	Paraformaldehyde, 100 lbs.....lb.	— .53	Quinine Sulf., 100-oz. tins.....oz.	— .60
— .84	Mercury, 75 lb. flasks.....ca.	55.00	— 56.00	Pepsin Powd., U.S.P.....lb.	— 2.50	1-oz. tins, 100 oz. lots.....oz.	— .65
— .84	Bisulfate.....lb.	— .55	— .56	Petrolatum, green, 350 bbls.....lb.	.0294 — .03	Imported, Java, 100 oz.oz.	— .65
— 10.00	Blue Mass.....lb.	— .56	— .58	Dark Amber.....lb.	— .04	Imported, Jap., 100 oz.tins.lb.	— .60
— .06%	Powdered.....lb.	— .58	— .56	Light Amber.....lb.	— .04%	Quinine Bisulfate, 100 oz. tinsoz.	— .60
— 1.60	Blue Oint., 30 p.c.....lb.	— .56	— .59	Cream White.....lb.	— .07	Alkaloid.....oz.	— .79
— .30	331-3 p.c.....lb.	— .59	— .72	Lily White.....lb.	— .09	Acetate.....oz.	— .88
— 3.80	50 p.c.....lb.	— .72	— .48	Snow White.....lb.	— .12%	Arsenate.....oz.	— .88
— .82	Citrine Ointment.....lb.	— .48	— .94	Phenolphthalein, 100 lbs.....lb.	1.40 — 1.50	Benzoate.....oz.	— .88
— .50	Calomel, Amer.....lb.	— .94	— .91	Phosphorus, yellow.....lb.	.25 — .26	Citrate.....oz.	— .88
— .48	Corrosive Sublimate, cryst.lb.	— .91	— .76	Phoscarpine, Hydchlor. 25 ozs.oz.	9.75 — 10.00	Dihydrochloride.....oz.	— .88
— .42	Powdered Granular.....lb.	— .76	— 3.31	Alkaloid, 15 gr. vial.....ea.	— 1.25	Dihydrobromide.....oz.	— .88
— .39	Iodide, Green.....lb.	— 3.41	— 3.31	Nitrate.....oz.	9.75 — 10.00	Dicarbonate.....oz.	2.00
— .94	Red.....lb.	— 3.41	— 1.03	Piperazine Hydrate.....lb.	— 13.50	Ethyl Carbonate.....oz.	1.10
— .60	Yellow.....lb.	— 3.31	— 1.13	Plaster Paris, true dental..bbl.	4.35 — 4.50	Ferrocyanide.....oz.	— .88
— 2.95	Red Precipitate.....lb.	— 1.03	— 1.18	Podophyllin.....lb.	3.75 — 4.25	Formate.....oz.	— .88
— .40	Powdered.....lb.	— 1.13	— 1.23	Potassium acetate.....lb.	.33 — .35	Glycerophosphate.....oz.	— .88
— .50	White Precipitate.....lb.	— 1.18	— .56	Bicarbonate, U.S.P.....lb.	.08 — .10	Iodide.....oz.	— .88
— .12	Powdered.....lb.	— 1.23	— 57 — .60	Bisulfate.....lb.	— .40	Hydrobromide.....oz.	— .79
— 1.50	With chalk.....lb.	— .56	— 3.00 — 3.50	Bromate, 100 lbs.....lb.	— .40	Hydrochloride.....oz.	— .74
— 1.70	Mercurial preps. basis 50 lb.	— .56	— 1.14 — 1.15	Bromide Crystals, 100 lbs..lb.	— .23	Japanese.....oz.	— .72
— .13	lots, in boxes or tins.	— .56	— .75 — 1.25	Granulated.....lb.	— .23	Hydrochlor. & Urea.....oz.	— .88
— .07	Methyl Acetone, drums.....gal.	57 — .60	— 4.90	Imported, U.S.P.....lb.	.16 — .18	Hypophosphite.....oz.	— .88
— .21	Methyl salicylate, see Aromatic	Chemicals	— 4.90	Carbonate, U.S.P.....lb.	.12 — .13	Lactate.....oz.	— .88
— 3.20	Methylene Blue, medicinal..lb.	3.00 — 3.50	— 4.90	Caustic. U.S.P. (by alcohol)lb.	— .30	Phenolsulfonate.....oz.	— .76
— 1.20	Milk, powdered.....lb.	.14 — .15	— 4.90	U.S.P. purified.....lb.	— .30	Phosphate.....oz.	— .79
— .53	Mineral Oil, white.....gal.	.75 — 1.25	— 8.40	Citrate, Imp., Powd.....lb.	.06 — .07	Salicylate.....oz.	— .60
— .62	Morphine, Acet., 10-oz. in 5s.oz.	— 4.90	— 7.60	Citrate, bulk, U.S.P.....lb.	— .65	Tartrate.....oz.	— .88
— .10	Hydrobromide, 10-oz. in 5s.oz.	— 4.90	— 6.00	Glycerophosphate, 75 p.c. lb.	1.65 — 1.70	Valerate.....oz.	— .98
— 1.90	Hydrochloride, 10-oz. in 5s.oz.	— 4.90	— 7.00	Guaiacol Sulf. (10-25 lbs.)..lb.	2.50 — 2.75	Small sizes: single ounce	
— 5.65	Sulfate, 10-oz. in 5s.....oz.	— 4.90	— 1.50	Hypophosphite, bulk.....lb.	— .85	tins 8c extra, 5 oz. 3c	
— .30	Diacetyl Hydcl., 10 oz., 1/4s.oz.	— 8.40	— 1.60	Iodide, bulk.....lb.	3.30 — 3.35	extra per oz.	
	Ethyl Hydcl., 10 oz., 1/4s.oz.	— 7.60	— 1.50	Second Hands.....lb.	3.15 — 3.20	Quinidine Alk., 100 oz. tins..oz.	.70 — .75
	Small sizes: 1/4s 50c extra,	— 8.95	— 2.25 — 2.30	Lactophosphate.....oz.	— .90	Sulfate, 100 oz. tins.....lb.	— .50
	1/4s 25c, single ounces 7c			Nitrate, see Saltpetre		Resorcinol, crystals, U.S.P..lb.	1.75 — 1.90
	extra per oz.			Oxalate, Neutral.....lb.	.40 — .42	Technical, See Intermediates	
	Opium cases, U.S.P.....lb.	— 6.00		Permanganate, U.S.P., 220			
	Granular.....lb.	— 7.00		lb. dr.....lb.	.13 — .14		
	Powdered, U.S.P.....lb.	— 7.00		Salicylate.....lb.	— .75		
	Oxgall, pure, U.S.P.....lb.	— 1.50		Sulfate, C.P.....lb.	— .35		
	Pancreatin.....lb.	1.50 — 1.60		Tartrate.....lb.	— .60		
	Papain.....lb.	2.25 — 2.30		Pumice Stone, lump.....lb.	.04 — .05		
				Powdered.....lb.	.03 — .04		
				Pyridin.....gal.	— 1.75		

R.W. Greeff & Co.

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MANUFACTURERS' AGENTS

EXPORTERS

IMPORTERS

Acetone

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Cream Tartar

Cresylic Acid

Formaldehyde

Formic Acid 90%

Lithopone

Methyl Alcohol

Methyl-Ethyl-Ketone

Oxalic Acid

Phthalic Anhydride

Potash Bicarbonate

Soda Sulphide

Tartaric Acid

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Fine Chemicals

Rochelle Salts, crystals.....lb. — — .21	Sod. Hypophosphite, U.S.P.....lb. — — .75	Sugar of Milk, bbls.....lb. .20 — .21
Imported, U.S.P. ....lb. .16 1/4 — .17	Iodide, 25 lb. box.....lb. 3.80 — 3.85	Sulfonal, 100-oz. lots.....oz. — — .37
Rosewater, triple .....gal. — — 1.25	Nitrate, U.S.P., Bbls.....lb. .0494 — .05 1/2	Sulfonethylmethane, U.S.P.....lb. — — 5.50
Saccharin, U.S.P., 100 lbs.....lb. 1.90 — 1.95	Oxalate, Neutral .....lb. .35 — .40	Sulfonmethane, U.S.P. ....lb. — — 4.50
Resale .....lb. 1.75 — 1.90	Peroxide, tins .....lb. .25 — .27	Sulfur Iodide, U.S.P. ....lb. — — 3.95
Salicin, 25 lbs. ....lb. 4.25 — 4.50	Phosphate, U.S.P., gran.....lb. .07 — .07 1/2	Sulfur, roll, bbls.....lb. 2.15 — 2.70
Salol, U.S.P., bulk.....lb. — — .80	Recryst. ....lb. — — .13	Flour, 100 p.c. pure.....100 lbs. 2.50 — 3.15
Saltpetre, Double ref. bbls.....lb. .07 1/4 — .09 1/4	Pyrophosphate .....lb. — — .14	Flowers, 100 p.c. pure.....100 lbs. 3.00 — 3.65
Santonin, cryst., (1-10 lbs) lb.167.00 —170.00	Salicylate, U.S.P., 100 lbs.....lb. — .32	Precip., U.S.P. ....lb. .18 — .19
Powdered .....lb.168.50 —171.50	Resale .....lb. — .28	Lac Sulfur .....lb. .08 — .10
Saponin (Ex Quillaja) (100 lbs.) .....lb. — — 1.55	Sulfate (Glauber's Salt).....cwt. 1.25 — 1.35	Tartar Emetic, tech.....lb. .29 — .31
Seidlitz Mixture, bbls.....lb. — — .17	Needle Crystals .....cwt. 1.75 — 1.80	U.S.P. ....lb. .36 — .37
Silver Nitrate, 500 oz. lots.....oz. .47 1/2 — .48	Sulfocarbolate .....lb. .25 — .26	Talcum, Amer., bags.....100 lbs. 1.00 — 1.25
Nucleinate, 100 ozs.....oz. — — .40	Spartein Sulfate, (25 ozs.).....oz. 1.25 — 1.35	Purified .....100 lbs. 2.50 — 3.00
Protein .....lb. — — .42	Strontium Brom. 50 lb. bx.....lb. — — .29	Terpin Hydrate .....lb. .58 — .61
Colloidal .....oz. — — 1.60	Carbonate, pure .....lb. — — .28	Theobromine Alkaloid .....lb. 5.50 — 6.00
Soap, Castile, white pure.....lb. .20 — .25	Iodide, bulk .....lb. — — 3.50	Thymol, crystals, U.S.P.....lb. 4.10 — 4.25
Powd., U.S.P., bbls.....lb. .30 — .32	Nitrate, Kegs .....lb. .12 1/2 — .13	Iodide, U.S.P., bulk.....lb. 7.75 — 8.00
Green, U.S.P. ....lb. .07 1/2 — .08 1/2	Salicylate, 100 lbs.....lb. — — .60	Tin bichloride see Heavy Chemicals
Sodium Acetate, U.S.P., gran.....lb. .12 — .13	Strychnine Alkd., cryst., 100 oz. tins .....oz. — — 1.05	Oxide, 500 lb. bbls.....lb. .37 — .38
Benzoate, gran., U.S.P.....lb. .50 — .60	Alkaloid, Powd. ....oz. — — .95	Crystals .....lb. .28 1/2 — .30
Bicarb., U.S.P., bbls.....cwt. 1.80 — 2.25	Acetate .....oz. — — .95	Toluene, See Coal Tar Crudes
Bromide, U.S.P., 50 lb. bx.....lb. — — .20	Glycerophosphate .....oz. — — .95	Tribromphenol .....lb. — — .85
Imported, U.S.P. ....lb. .16 — .18	Hydrobromide .....oz. — — .95	Trional .....oz. — — .45
Cacodylate, 25-50 lbs.....lb. — — 4.60	Hydrochloride .....oz. — — .95	Urea, Imp. Pharmaceutical.....lb. — — .40
Caustic, U.S.P., See Sod. Hydroxide	Hypophosphite .....oz. — — 1.05	Veratrine Sulfate, (1 oz.).....oz. — — 2.50
Chlorate, U.S.P., 8th Rev.	Nitrate .....oz. — — .95	Hydrochloride .....oz. — — 2.50
Crystals, c.b., 10 lbs.....lb. .13 — .14	Phosphate .....oz. — — .95	Witch Hazel, Ext., dbl dist., 50 gal. bbls.....gal. 1.20 — 1.25
Granular, c.b., 10 lbs.....lb. .16 — .17	Sulfate, crystals, powd.....oz. — — .76	Yohimbin Hydchl., (1 oz.).....oz. — — 12.50
Chloride, C. P., bbls.....lb. — — .06	Saccharinate .....oz. — — 2.05	Zinc Carbonate, U.S.P., precip.....lb. — — .37
Citrate, U.S.P., Cryst. VIII.....lb. — — .60	Strychnine preps. basis 100	Chloride, U.S.P. ....lb. — — .35
VIII .....lb. — — .60	Small sizes: 1/4s 50c extra,	Nitrate .....lb. — — .42
Granular, U.S.P., gran.IX.....lb. — — .73	3/4s 25c single ounces 7c	Iodide, bulk .....lb. — — 4.50
Cyanide 996-98, see Heavy Chemicals	extra per oz.	Oxide, U.S.P., bbls.....lb. .15 — .16
Glycerophosphate .....lb. 1.70 — 1.75		Stearate .....lb. .20 — .25
Solution U.S.P. cbys.lb. — — 1.15		Sulfate, U.S.P.lb. — — .08
Solution 50% cbyslb. — — 1.00		
Hydroxide, U.S.P.lb. — — .18		

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28 p.c. bbls.....100 lbs.	2.25	2.63½
56 p.c. bbls.....100 lbs.	4.75	5.25
70 p.c. bbls.....100 lbs.	5.96	6.58
80 p.c. bbls., Com'l.100 lbs.	6.50	7.57
80 p.c. bbls., pure.100 lbs.	7.25	9.34
Glacial, bbls.....100 lbs.	8.00	11.35
Chlorosulfonic, 93-95 p.c....lb.	.15	.16
Hydrobromic, 10 carboys and single carboys, spot.		
Commercial, 48 p.c.....lb.	.35	.37
Pure, 40 p.c.....lb.	—	.40
Hydrofluoric, barrels and carboys, carlots and less.		
30 p.c. bbls.....lb.	—	.07
48 p.c. in carboys.....lb.	.10	.11
52 p.c. in carboys.....lb.	.11	.12
60 p.c. in carboys.....lb.	.14	.14½
White Acid, wks., cbys..lb.	.25	.26
Hydrofluosilicic 35 p.c.....lb.	.10	.12
Lactic, 22 p.c., dark.....lb.	.04	.04½
22 p.c., light.....lb.	.05½	.06
44 p.c., light.....lb.	.11	.13
44 p.c., dark.....lb.	.09½	.10
66 p.c. ....lb.	—	.16
80 p.c., Imported.....lb.	.15	.16
MIXED (Sulfuric-Nitric)		
Drums, wks., per N unit	.07½	.08
per S unit.....unit	.01	.01½
Tank cars, wks., per N unit	.07½	.08
per S unit.....unit	.008	.01
MURIATIC (Iron-free)		
20°, Cbys., c/l, wks.....cwt.	—	1.25
Tank cars, wks., net ton	20.00	25.00

ACIDS

MURIATIC (Commercial)		
20 deg. Cbys., 1c/l wks.cwt.	1.35	1.75
Cbys., c/l wks.....cwt.	1.10	1.50
Tank cars, wks.....cwt.	1.00	1.10
18° 140lb. cbys., c/l wks.cwt.	.85	1.25
22° 140lb. cbys., c/l wks.cwt.	1.40	2.00
NITRIC		
36°, Cbys., single, wks.cwt.	5.50	6.15
Cbys., c/l, works.....cwt.	4.75	5.25
38°, Cbys., single, wks.cwt.	5.65	6.55
Cbys., c/l, wks.....cwt.	5.00	5.65
40°, Cbys., single, wks.cwt.	6.50	7.15
Cbys., c/l, wks.....cwt.	5.25	6.25
42°, Cbys., single, wks.cwt.	7.25	7.90
Cbys., c/l, wks.....cwt.	5.50	7.00
Oxalic, 10 bbls., wks.....lb.	—	.14
Spot, bbls.....lb.	—	.14½
Phosphoric, 50 p.c., tech.....lb.	.08	.09
Syrupy, 85-88 p.c.....lb.	.16	.19
Pyroligneous, Tech. ....gal.	.10	.10½
SULFURIC		
66°, cbys., 1c/l, wks.....cwt.	—	1.40
Cbys., c/l, wks.....cwt.	—	1.25
Drums, 1c/l, wks.....cwt.	—	1.10
Drums, c/l, wks.....cwt.	—	1.00
Tank cars, wks.....net ton	14.00	16.00
60°, Drums, 1c/l, wks.cwt.	.70	.90
Drums, c/l, wks.....cwt.	.60	.80
Tank cars, wks.....net ton	9.00	11.00
Oleum, 20 p.c., drums, 1c/l, wks. ....cwt.	1.25	1.50
Drums, c/l, wks.....cwt.	1.10	1.25
Tank cars, wks.....net ton	18.00	19.00
Contract cars, wks.....ton	17.00	18.00
Oleum, 40 p.c., drums, 1c/l, wks. ....net ton	—	35.00
Oleum, 60 p.c., drums, 1c/l, wks. ....net ton	—	65.00
Sulfurous com. cylinders.....lb.	.08	.09
Tannic, Tech. barrels.....lb.	.40	.55
Tungstic .....lb.	—	1.00

Acetone, C.P.Drums,C/L & L.lb.	.08	.11
Acetic Anhydride, 85 p.c.drs.lb.	.37	.40
Acetyl Chloride, Redistilled.lb.	—	.40
Alums, carlots in barrels, and 10 barrels, spot.		
Ammonia, lump .....100 lbs.	3.25	3.50
Imported .....lb.	—	—
Ground .....100 lbs.	3.40	3.65
Powdered .....100 lbs.	3.50	3.90
Chrome .....lb.	.06½	.07
Potash lump .....lb.	4.25	4.50
Imported .....lb.	.03½	.03½
Ground .....lb.	4.35	4.60
Powdered .....lb.	4.50	4.75
Chrome .....lb.	.06½	.07
Soda, Ground .....100 lbs.	3.50	4.00
Aluminum chloride, carboys.lb.	.04	.05
Anhydrous, drums .....lb.	.35	.40
SULFATE,		
Iron-free, Bags, c/l, contract, wks. ....cwt.	—	2.25
Bags, c/l, pmpt., wks.cwt.	—	2.35
Com'l. (½ p.c. iron), bgs. c/l cont., wks.East.cwt.	—	1.40
Bags, c/l, pmpt., wks.E.cwt.	—	1.50
Bags, c/l, pmpt., wks.W.cwt.	—	1.35
Bbls., c/l, cont.wks.E.cwt.	—	1.55
Bulk, c/l, cont.wks.E.cwt.	—	1.35
Aluminum hydrate light.....lb.	.19	.20
Oxide c-l bbls. wks.....lb.	—	.08½
Ammonia, Anhydrous, cyl.....lb.	—	.30
Ammonia Water, Drums and carboys.		
25 deg. ....lb.	.07½	.09½
20 deg. ....lb.	.06	.08
15 deg. ....lb.	.05½	.07½
16 deg. ....lb.	.05	.07
Ammonium Bifluoride, bbls..lb.	.22	.28
Imported .....lb.	—	.22
Carbonate, bbls.lb.	.07	.08½
Lactatelb.	.15	.16
Nitratelb.	.05½	.05½
Persulfate, caseslb.	—	.50



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Hydrobromideoz.	— 4.90	85 p.c. Ester.....gal.	.62 — .67	and Ammon Citrate, U.S.P..lb.	— .84
Hydrochlorideoz.	— 5.50	Chloridelb.	— .55	Green scales, U.S.P.....lb.	— .84
Nitrate .....oz.	— 5.50	Ethyl Methyl Ketone.....lb.	.12 — .13	Cacodylate, 10 lb. bot.....lb.	9.00 — 10.00
Phosphate .....oz.	— 4.58	Eucalyptol, U.S.P., See Aromatic Chemicals		Chloride, cryst. (ferric).....lb.	.06% — .08
Salicylate .....oz.	— 4.55	Formaldehyde, bbls. wks., C/Ltb.	.07% — .08	Liquid, 40 deg. 140 lb chys..lb.	— .06%
Sulfate .....oz.	— 4.90	Less Carlots, bbls.....lb.	.08% — .09	Hypophosphite .....lb.	1.50 — 1.60
Small sizes: $\frac{1}{4}$ s 50c extra, $\frac{1}{8}$ s 25c, singles 7c extra per oz.		Gelatin, silver, 100 lb.cases lb.	.90 — 1.00	Syrup, U.S.P. 1900.....lb.	— .30
Cod Liver Oil, NewFd.....bbl.	19.00 — 20.00	Gold Label .....lb.	— — 1.00	Iodide .....lb.	— 3.80
Norwegian, 30 gal. bbls...bbl.	22.00 — 25.00	Glycerin		Oxalate, scales .....lb.	.80 — .83
Colchicine, Alkaloid, 1 oz...oz.	— 25.00	C.P. drums, bbls.....lb.	.14% — .15	and Ammonium, cryst...lb.	.45 — .50
Salicylate, 1 oz.....oz.	— 35.00	Cans, 50 lbs. ....lb.	.15% — .16	and Potassium .....lb.	.47 — .48
Collodion, U.S.P. ....lb.	— .26	Dynamite, drums .....lb.	.13 — .13%	and Sodium, cryst.....lb.	.40 — .42
Flexible, U.S.P. ....lb.	— .29	Saponification, loose .....lb.	.08 — .10	Phosphate, U.S.P. ....lb.	— .89
Corn Syrup .....100 lbs.	2.37 — 2.67	Soap Lye, loose .....lb.	.08 — .09	Pyrrophosphate, U.S.P. ....lb.	— .94
Corrosive Sublimate, see Mercury		Guaiacol, liquid, (25 lbs.)...lb.	2.75 — 3.00	Metallic, Reduced .....lb.	— .91
Cotton Solution, 5 gal. cans..lb.	.35 — .40	Benzoate (1 lb.).....lb.	— 18.00	Lanolin, See Adeps Lanae	
Coumarin, refined, see Aromatic Chemicals		Carbonate (50 lbs.).....lb.	3.25 — 3.75	Lead Iodide, U.S.P., VIII..lb.	— 2.95
Cream Tartar, U.S.P., bbls..lb.	— .26%	Haarlem Oil, dom., cases.gross	— 3.50	Licorice, U.S.P., Mass.....lb.	— .25
Imported, U.S.P., 224 lb.bbls..lb.	.23 — .24	Imported, cases .....gross	— 5.40	Powdered .....lb.	— .40
Creosote, U.S.P., chys.....lb.	.40 — .45	Hexamethylenetetramine ...lb.	.67 — .70	Sticks .....lb.	— .50
Carbonate, (25 lbs.).....lb.	1.60 — 1.70	Homatropine, Hydrom.5 ozs.oz.	— 15.00	Comp. Powder .....lb.	.11 — .12
Cresol, U.S.P. ....lb.	.13 — .16	Hydrastine, Alkaloid (8 ozs.)oz.	17.00 — 18.00	Lithium Carbonate, kegs...lb.	1.40 — 1.50
Digitalin, pure, (5-10 ozs.)...oz.	6.75 — 7.00	Hydrochloride .....oz.	17.50 — 18.00	Citrate .....lb.	1.60 — 1.70
Dionin, See Morph. Ethyl Hydrochl.		Sulfate, 5 ozs.....oz.	— 19.50	Magnesium Carb. U.S.P.bbls..lb.	.12 — .13
Dover's Powder, U.S.P.....lb.	— 2.20	Hydrastinine Hdchl. (1 oz.)...oz.	— 60.00	Technical, bbls. ....lb.	.06 — .07
Duboisine Sulfate, (1 oz.)...oz.	— 60.00	Hydrogen Peroxide, U.S.P., 10 gr. lots		Blocks cases, 1, 2, 4 ozs..lb.	.18 — .21
Emetine Alk., 15 gr. vials..ea.	— 1.00	8-oz. bottles .....gross	12.00 — 12.25	Glycerophosphate .....lb.	— 3.20
Hydrochloride, (1 oz.)...oz.	16.00 — 17.50	Hydroquinone, 100 lbs. ....lb.	.90 — 1.00	Hypophosphite .....lb.	— 1.20
15 gr. vials .....ea.	.75 — .90	Hyosceline Hydrobrom., 5 ozs.oz.	17.00 — 17.50	Oxide .....lb.	— .53
Epsom Salt, U.S.P. (5 bbls.)cwt.	2.50 — 2.75	Hyoscyamine Alkaloid, (1 oz.)...oz.	— 21.00	Peroxide, cans .....lb.	— 2.15
Technical .....cwt.	1.00 — 1.85	Amorphous Alk. (1 oz.)...oz.	— 60.00	Salicylate, 100 lbs. ....lb.	— .62
Imported, U.S.P. (5 bbls.)cwt.	1.75 — 1.85	Hydbrom. (1 oz.).....oz.	— 50.00	Sulfate, (See Epsom Salt)	
Ergotin, Bonjean .....lb.	10.00 — 10.50	Sulfate .....oz.	18.00 — 19.00	Malt Syrup kegs .....lb.	— .10
Eserine Sulfate, (1 oz.)...oz.	— 14.50	Iodides, See Potass. Iodide, etc.		Manganese Glycerophos. ....lb.	— 2.90
Salicylate .....oz.	— 18.00	Iodine, Resublimed, 5 lb. jar..lb.	— 4.20	Hypophosphite, U.S.P., VIII..lb.	1.85 — 1.90
Alkaloid .....oz.	— 30.00	Tincture, U.S.P., 50 gal.	— 4.00	Iodide .....lb.	— 5.65
Ether, Nitrous .....lb.	— .97	bbl. ....gal.	— 5.25	Sulfate, Crystals .....lb.	— .30
Ether, U.S.P., 100 lb. drums..lb.	— .14	Iodoform, powdered, 10 lbs..lb.	— 6.25		
Washed, bulklb.	— .31	Crystalslb.	— 6.25		
Anaesthesia, 100 lb. drums lb.	— .17				
Motor Ether, 1 lb. cans....lb.	— .26				



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Menthol, 60 lb. cases.....lb.	5.50	— 5.75	Paraformaldehyde, 100 lbs...lb.	—	— .53	Quinine Sulf., 100-oz. tins...oz.	—	— .60
Mercury, 75 lb. flasks.....ea.	55.00	— 56.00	Pepsin Powd., U.S.P.....lb.	—	— 2.50	1-oz. tins, 100 oz. lots...oz.	—	— .68
Bisulfate.....lb.	—	— .55	Petrolatum, green, 350 bbls...lb.	.024	— .03	Imported, Java, 100 ozs...oz.	—	— .60
Blue Mass.....lb.	—	— .56	Dark Amber.....lb.	—	— .04	Imported, Jap., 100 oz.tins.lb.	—	—
Powdered.....lb.	—	— .58	Light Amber.....lb.	—	— .04½	Quinine Bisulfate, 100 oz. tinsoz.	—	— .60
Blue Oint., 30 p.c.....lb.	—	— .56	Cream White.....lb.	—	— .07	Alkaloid.....oz.	—	— .79
33 1-3 p.c.....lb.	—	— .59	Lily White.....lb.	—	— .09	Acetate.....oz.	—	— .88
50 p.c.....lb.	—	— .72	Snow White.....lb.	—	— .12½	Arsenate.....oz.	—	— .88
Citrine Ointment.....lb.	—	— .48	Phenolphthalein, 100 lbs...lb.	1.40	— 1.50	Benzoate.....oz.	—	— .88
Calomel, Amer.....lb.	—	— .94	Phosphorus, yellow.....lb.	.25	— .26	Citrate.....oz.	—	— .88
Corrosive Sublimate, cryst.lb.	—	— .91	Pilocarpine, Hydchlor. 25 ozs.oz.	9.75	— 10.00	Dihydrochloride.....oz.	—	— .88
Powdered Granular.....lb.	—	— .76	Alkaloid, 15 gr. vial.....ea.	—	— 1.25	Dihydrobromide.....oz.	—	— .88
Iodide, Green.....lb.	—	— 3.31	Nitrate.....oz.	9.75	— 10.00	Dicarbonate.....oz.	—	— 2.00
Red.....lb.	—	— 3.41	Piperazine Hydrate.....lb.	—	— 13.50	Ethyl Carbonate.....oz.	—	— 1.10
Yellow.....lb.	—	— 3.31	Plaster Paris, true dental..bbl.	4.35	— 4.50	Ferrocyanide.....oz.	—	— .88
Red Precipitate.....lb.	—	— 1.03	Podophyllin.....lb.	3.75	— 4.25	Formate.....oz.	—	— .88
Powdered.....lb.	—	— 1.13	Potassium acetate.....lb.	.33	— .35	Glycerophosphate.....oz.	—	— .88
White Precipitate.....lb.	—	— 1.18	Bicarbonate, U.S.P.....lb.	.08	— .10	Hydriodide.....oz.	—	— .88
Powdered.....lb.	—	— 1.23	Bisulfate.....lb.	—	— .40	Hydrobromide.....oz.	—	— .79
With chalk.....lb.	—	— .56	Bromate, 100 lbs.....lb.	—	— .23	Hydrochloride.....oz.	—	— .74
Mercurial preps. basis 50 lb.			Bromide Crystals, 100 lbs...lb.	—	— .23	Japanese.....oz.	—	— .72
lots, in boxes or tins.			Granulated.....lb.	—	— .16	Hydrochlor. & Urea.....oz.	—	— .88
Methyl Acetone, drums.....gal.	.57	— .60	Imported, U.S.P.....lb.	.12	— .13	Hypophosphite.....oz.	—	— .88
Methyl salicylate, see Aromatic Chemicals			Carbonate, U.S.P.....lb.	—	— .45	Lactate.....oz.	—	— .88
Methylene Blue, medicinal..lb.	3.00	— 3.50	Caustic, U.S.P. (by alcohol)lb.	—	— .30	Phenolsulfonate.....oz.	—	— .88
Milk, powdered.....lb.	.14	— .15	U.S.P. purified.....lb.	—	— .06	Phosphate.....oz.	—	— .79
Mineral Oil, white.....gal.	.75	— 1.25	Chlorate, Imp., Powd.....lb.	—	— .65	Salicylate.....oz.	—	— .79
Morphine, Acet., 10-oz. in 5a.oz	—	— 4.90	Citrate, bulk, U.S.P.....lb.	—	— .85	Tannate.....oz.	—	— .60
Hydrobromide, 10-oz. in 5a.oz	—	— 4.90	Glycerophosphate, 75 p.c. lb.	1.65	— 1.70	Tartrate.....oz.	—	— .88
Hydrochloride, 10-oz. in 5a.oz	—	— 4.90	Guaiacol Sulf. (10-26 lbs.)..lb.	2.50	— 2.75	Valerate.....oz.	—	— .98
Sulfate, 10-oz. in 5a.....oz.	—	— 4.90	Hypophosphite, bulk.....lb.	—	— 3.35	Small sizes: single ounce		
Diacetyl, Alk., 10 oz., ¼ s.oz.	—	— 8.40	Iodide, bulk.....lb.	3.30	— 3.35	tins 8c extra, 5 oz. 3c		
Diacetyl Hydcl., 10 oz., ¼ s.oz.	—	— 7.60	Lactone.....lb.	3.15	— 3.20	extra per oz.		
Ethyl Hydcl., 10 oz., ¼ s.oz.	—	— 8.95	Second Hands.....oz.	—	— .90	Quinidine Alk., 100 oz. tins..oz.	.70	— .75
Small sizes: ¼ s 50c extra,			Nitrate, see Saltpetre			Sulfate, 100 oz. tins.....oz.	—	— .50
¾ s 25c, single ounces 7c			Oxalate, Neutral.....lb.	.40	— .42	Resorcinol, crystals, U.S.P..lb.	1.75	— 1.90
extra per oz.			Pernanganate, U.S.P., 220			Technical, See Intermediates		
Opium cases, U.S.P.....lb.	—	— 6.00	lb. dr.....lb.	.13	— .14			
Granular.....lb.	—	— 7.00	Salicylate.....lb.	—	— .75			
Powdered, U.S.P.....lb.	—	— 7.00	Sulfate, C.P.....lb.	—	— .35			
Oxgall, pure, U.S.P.....lb.	—	— 1.50	Tartrate.....lb.	—	— .60			
Pancreatin.....lb.	1.50	— 1.60	Pumice Stone, lump.....lb.	.04	— .05			
Papain.....lb.	2.25	— 2.30	Powdered.....lb.	.03	— .04			
			Pyridin.....gal.	—	— 1.75			

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Imported, U.S.P.lb.	.16½ — .17	Iodide, 25 lb. box.....lb.	3.80 — 3.85	Sulfonal, 100-oz. lots.....oz.	— — .37
Rosewater, triplegal.	— — 1.25	Nitrate, U.S.P., Bbls.....lb.	.04½ — .05½	Sulfonethymethane, U.S.P.....lb.	— — 5.50
Saccharin, U.S.P., 100 lbs.....lb.	1.90 — 1.95	Oxalate, Neutral .....lb.	.35 — .40	Sulfonmethane, U.S.P. ....lb.	— — 4.50
Resale .....lb.	1.75 — 1.90	Peroxide, tins .....lb.	.25 — .27	Sulfur Iodide, U.S.P. ....lb.	— — 3.95
Salicin, 25 lbs. ....lb.	4.25 — 4.50	Phosphate, U.S.P., gran.....lb.	.07 — .07½	Sulfur, roll, bbls.....lb.	2.15 — 2.70
Salol, U.S.P., bulk.....lb.	— — .80	Recryst. ....lb.	— — .13	Flour, 100 p.c. pure.....100 lbs.	2.50 — 3.15
Saltpetre, Double ref. bbls.....lb.	.07¾ — .09¼	Pyrophosphate .....lb.	— — .14	Flowers, 100 p.c. pure.....100 lbs.	3.00 — 3.65
Santonin, cryst., (1-10 lbs) lb.	167.00 — 170.00	Salicylate, U.S.P., 100 lbs.....lb.	— — .32	Precip., U.S.P. ....lb.	.13 — .19
Powdered .....lb.	168.50 — 171.50	Resale .....lb.	— — .28	Lac Sulfur .....lb.	.08 — .10
Saponin (Ex Quillaja) (100 lbs.)	— — 1.55	Sulfate (Glauber's Salt) cwt.	1.25 — 1.35	Tartar Emetic, tech.....lb.	.29 — .31
Seidlitz Mixture, bbls.....lb.	— — .17	Needle Crystals .....cwt.	1.75 — 1.80	U.S.P. ....lb.	.36 — .37
Silver Nitrate, 500 oz. lots.....oz.	.47½ — .48	Sulfocarbonate .....lb.	.25 — .26	Talcum, Amer., bags.....100 lbs.	1.00 — 1.25
Nucleinate, 100 ozs.....oz.	— — .40	Sparteine Sulfate, (25 ozs.).....oz.	1.25 — 1.35	Purified .....100 lbs.	2.50 — 3.00
Proteinase .....oz.	— — .42	Strontium Brom. 50 lb. bx.....lb.	— — .20	Terpin Hydrate .....lb.	.58 — .61
Colloidal .....oz.	— — 1.60	Carbonate, pure .....lb.	— — .28	Theobromine Alkaloid .....lb.	5.50 — 6.00
Soap, Castile, white pure.....lb.	.20 — .25	Iodide, bulk .....lb.	— — .350	Thymol, crystals, U.S.P.....lb.	4.10 — 4.25
Powd., U.S.P., bbls.....lb.	.30 — .32	Nitrate, Kegs .....lb.	.12½ — .13	Iodide, U.S.P., bulk.....lb.	7.75 — 8.00
Green, U.S.P. ....lb.	.07½ — .08½	Salicylate, 100 lbs.....lb.	— — .60	Tin bichloride see Heavy Chemicals	
Sodium Acetate, U.S.P., gran.....lb.	.12 — .13	Strychnine Alkd., cryst., 100 oz. tins .....oz.	— — 1.05	Oxide, 500 lb. bbls.....lb.	.37 — .38
Benzoate, gran., U.S.P.....lb.	.50 — .60	Alkaloid, Powd. ....oz.	— — .95	Crystals .....lb.	.28½ — .30
Bicarb., U.S.P., bbls.....cwt.	1.80 — 2.25	Acetate .....oz.	— — .95	Toluene, See Coal Tar Crudes	
Bromide, U.S.P., 50 lb. bx.....lb.	— — .20	Glycerophosphate .....oz.	— — .95	Tribromphenol .....lb.	— — .85
Imported, U.S.P. ....lb.	.16 — .18	Hydrobromide .....oz.	— — .95	Trional .....oz.	— — .45
Cacodylate, 25-50 lbs.....lb.	— — 4.60	Hydrochloride .....oz.	— — .95	Urea, Imp. Pharmaceutical.....lb.	— — .40
Caustic, U.S.P., See Sod. Hydroxide		Hypophosphite .....oz.	— — 1.05	Veratrine Sulfate, (1 oz.).....oz.	— — 2.50
Chlorate, U.S.P., 8th Rev.		Nitrate .....oz.	— — .95	Hydrochloride .....oz.	— — 2.50
Crystals, c.b., 10 lbs.....lb.	.13 — .14	Phosphate .....oz.	— — .95	Witch Hazel, Ext., dbl dist., 50 gal. bbls.....gal.	1.20 — 1.25
Granular, c.b., 10 lbs.....lb.	.16 — .17	Sulfate, crystals, powd.....oz.	— — .76	Yohimbin Hydchl., (1 oz.).....oz.	— — 12.50
Chloride, C. P., bbls.....lb.	— — .06	Saccharinate .....oz.	— — 2.05	Zinc Carbonate, U.S.P., precip.....lb.	— — .37
Citrate, U.S.P., Cryst. VIII lb.	— — .60	Strychnine preps. basls 100		Chloride, U.S.P. ....lb.	— — .35
VIII .....lb.	— — .60	Small sizes: ¼s 50c extra,		Nitrate .....lb.	— — .42
Granular, U.S.P., gran. IX lb.	— — .73	¾s 25c single ounces 7c		Iodide, bulk .....lb.	— — 4.50
Cyanide 996-98, see Heavy Chemicals		extra per oz.		Oxide, U.S.P., bbls.....lb.	.15 — .16
Glycerophosphate .....lb.	1.70 — 1.75			Stearate .....lb.	.20 — .25
Solution U.S.P. cbys.lb.	— — 1.15			Sulfate, U.S.P.lb.	— — .08
Solution 50% cbyslb.	— — 1.00				
Hydroxide, U.S.P.lb.	— — .18				

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Hydrobromic, 10 carboys and single carboys, spot.	
Commercial, 48 p.c.....lb.	.35 — .37
Pure, 40 p.c.....lb.	— — .40
Hydrofluoric, barrels and carboys, carlots and less.	
30 p.c. bbls.....lb.	— — .07
48 p.c. in carboys.....lb.	.10 — .11
52 p.c. in carboys.....lb.	.11 — .12
60 p.c. in carboys.....lb.	.14 — .14½
White Acid, wks. cbys..lb.	.25 — .26
Hydrofluosilicic 35 p.c.....lb.	.10 — .12
Lactic, 22 p.c., dark.....lb.	.04 — .04½
22 p.c., light.....lb.	.05½ — .06
44 p.c., light.....lb.	.11 — .13
44 p.c., dark.....lb.	.09½ — .10
66 p.c.lb.	— — .16
80 p.c., Imported.....lb.	.15 — .16
MIXED (Sulfuric-Nitric)	
Drums, wks., per N unit.....	.07¾ — .08
per S unit.....unit	.01 — .01¼
Tank cars,wks.per N unit.....	.07½ — .08
per S unit.....unit	.009 — .01
MURIATIC (Iron-free)	
20°, Cbys., c/l, wks....cwt.	— 1.25
Tank cars, wks.net ton 20.00	—25.00

ACIDS

MURIATIC (Commercial)	
20 deg. Cbys., 1c/l wks.cwt.	1.35 — 1.75
Cbys., c/l wks.....cwt.	1.10 — 1.50
Tank cars, wks.....cwt.	1.00 — 1.10
18° 140lb. cbys.,c/l wks.cwt.	.85 — 1.25
22° 140lb. cbys.,c/l wks.cwt.	1.40 — 2.00
NITRIC	
36°, Cbys., single, wks.cwt.	5.50 — 6.15
Cbys., c/l, works.....cwt.	4.75 — 5.25
38°, Cbys., single, wks.cwt.	5.65 — 6.55
Cbys., c/l, wks.....cwt.	5.00 — 5.65
40°, Cbys., single, wks.cwt.	6.50 — 7.15
Cbys., c/l, wks.....cwt.	5.25 — 6.25
42°, Cbys., single, wks.cwt.	7.25 — 7.90
Cbys., c/l, wks.....cwt.	5.50 — 7.00
Oxalic, 10 bbls., wks.....lb.	— — .14
Spot, bbls. ....lb.	— — .14¾
Phosphoric, 50 p.c., tech...lb.	.08 — .09
Syrupy, 85-88 p.c.....lb.	.16 — .19
Pyroigneous, Tech. ....gal.	.10 — .10¾
SULFURIC	
66°, cbys., 1c/l, wks....cwt.	— — 1.40
Cbys., c/l, wks.....cwt.	— — 1.25
Drums, 1c/l, wks.....cwt.	— — 1.10
Drums, c/l, wks.....cwt.	— — 1.00
Tank cars, wks....net ton	14.00 —16.00
60°, Drums, 1c/l, wks.cwt.	.70 — .90
Drums, cl., wks.....cwt.	.60 — .80
Tank cars, wks....net ton	9.00 —11.00
Oilum, 20 p.c., drums,	
1c/l, wks. ....cwt.	1.25 — 1.50
Drums, c/l, wks.....cwt.	1.10 — 1.25
Tank cars, wks....net ton	18.00 —19.00
Contract cars, wks....ton	17.00 —18.00
Oilum, 40 p.c., drums,	
1c/l, wks. ....net ton	— —35.00
Oilum, 60 p.c., drums,	
1c/l, wks. ....net ton	— —65.00
Sulfurous com. cylinders...lb.	.08 — .09
Tannic, Tech. barrels.....lb.	.40 — .55
Tungstic .....lb.	— — 1.00

Acetone, C.P.Drums,C/L & L..lb.	.08 — .11
Acetic Anhydride, 85 p.c.drs..lb.	.37 — .40
Acetyl Chloride, Redistilled..lb.	— — .40
Alums, carlots in barrels, and 10 barrels, spot.	
Ammonia, lump .....100 lbs.	3.25 — 3.50
Imported .....lb.	— —
Ground .....100 lbs.	3.40 — 3.65
Powdered .....100 lbs.	3.50 — 3.90
Chrome .....lb.	.06½ — .07
Potash lump .....lb.	4.25 — 4.50
Imported .....lb.	.03¼ — .03½
Ground .....lb.	4.35 — 4.60
Powdered .....lb.	4.50 — 4.75
Chrome .....lb.	.06½ — .07
Soda, Ground .....100 lbs.	3.50 — 4.00
Aluminum chloride, carboys..lb.	.04 — .05
Anhydrous, drums .....lb.	.35 — .40
SULFATE	
Iron-free, Bags, c/l, contract, wks. ....cwt.	— —2.25
Bags, c/l, pmpt., wks.cwt.	— — 2.35
Com'l., (½ p.c. iron), bgs.	
c/l cont., wks.East.cwt.	— — 1.40
Bags, c/l, pmpt.,wks.E.cwt.	— — 1.50
Bags, c/l,pmpt.,wks.W.cwt.	— — 1.35
Bbls., c/l,cont.wks.E.cwt.	— — 1.55
Bulk, c/l, cont.wks.E.cwt.	— — 1.35
Aluminum hydrate light.....lb.	.19 — .20
Oxide c-l bbls. wks.....lb.	— — .08½
Ammonia, Anhydrous, cyl...lb.	— — .30
Ammonia Water, Drums and carboys.	
25 deg. ....lb.	.07½ — .09¼
20 deg. ....lb.	.06 — .08
18 deg. ....lb.	.05¼ — .07¼
16 deg. ....lb.	.05 — .07
Ammonium Bifluoride, bbls..lb.	.22 — .28
Imported .....lb.	— — .22
Carbonate, bbls.lb.	.07 — .08½
Lactatelb.	.15 — .16
Nitratelb.	.05¼ — .05¾
Persulfate, caseslb.	— — .50



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Gray, rough	.07 1/4 — .08 1/4	Anhydrous single drums lb.	.12 — .13	Red, American	.08 — .08 1/4
Imported	.08 — .08 1/4	Lactate	— .13 1/4	Sulfate, basic white	.06 1/4 — .07
Granulated, white	.07 1/4 — .08	Nitrate, bags	— 40.00	White, Basic Carb., Amer. dry	.07 1/4 — .07 1/4
Imported	.07 1/4 — .08	Chlorine, liq., C/L cyl., wks. lb.	.08 — .08 1/2	Lithopone, bbls C/L & LC/L	.06 — .06 1/2
Lump, casks, bbls.	.15 — .16	Less C/L	.06 — .07	Imported	.05 1/2 — .06 1/2
Sulfate, dbl. bags, f.o.b. 100 lbs.	3.50 — 3.60	Carbon bisulfide, C.L. & less lb.	.09 1/4 — .10 1/4	Lime, hydrate	.01 — .01 1/4
*Dom., Bulk, wks. 100 lbs.	2.90 — 3.00	Carbon black, as to quality lb.	.10 1/4 — .11	Acetate	— 1.75
Antimony chloride, liq. chys. lb.	.12 — .14	Carbon tetrachlor., C.L. & less lb.	.09 1/4 — .10 1/4	Nitrate	— 40.00
Anhydrous, drums	.35 — .40	Cobalt Oxide	2.00 — 2.25	Sulfur, Powd.	.10 1/4 — .12
Oxide, bbls.	.06 1/4 — .06 1/4	Copper Carbonate	— .18	Magnesite	— 30.00
Sulfide, Crimson	.35 — .40	Cyanide	.58 — .60	Magnesium Sulfate, Technical, bbls. carlots and 10 bbls.	1.85 — 2.00
Golden, No. 1	.16 — .20	Oxide	.15 — .15 1/4	Domestic	.90 — 1.00
Vermillion	— .40	Subacetate (Verdigris)	.35 — .37	Imported	.90 — 1.00
Tartrolactate	— .45	Sulfate LC/L spot. 100 lbs.	6.95 — 6.05	Carbonate, tech.	.06 — .07
Arsenic, white, kegs.	.07 1/4 — .07 1/4	C/L delivered 100 lbs.	6.00 — 6.10	Chloride, fused, f.o.b. wks. ton	— 30.00
Red, 50 to 200 kg. drums lb.	.12 1/4 — .13	Tartrate (verdigris substitute)	— .30	Imported, fused & gran. ton	32.00 — 34.00
Metal	— .17	Copperas, wks., Bulk	17.00 — 20.00	Flaked, f.o.b. wks. ton	— 32.00
Barium, chloride, bbls.	— 100.00	Ferrie Chloride, crys.	— .08 1/4	Fluosilicate, 30 p.c. soln. 100 lbs.	8.00 — 10.00
*Imported, casks	— 105.00	Liquid, 40 deg.	— .06 1/4	Manganese Chloride	.09 1/4 — .10 1/4
Binoxide	.20 — .22	Ferrous Chloride, crys.	.06 — .06 1/4	Dioxide, 80-84 p.c., 10 bbls. ton	80.00 — 85.00
Imported	.16 — .17	Sulfide	100 lbs. 4.00 — 4.50	85-90 p.c.	85.00 — 90.00
Carbonate, bbls., c/L & less ton	75.00 — 85.00	Flake White, bbls.	.13 — .13 1/4	Sulfate, bbls.	.10 — .11
Imported	65.00 — 70.00	Fluorspar, 95 p.c. ex-dock.	— 25.00	Nickel oxide, bbls.	.40 — .42
Nitrate	.09 1/4 — .10 1/4	96 p.c. ex-dock.	— 30.00	Salts, single	.08 — .09
Imported	.07 — .07 1/4	98 p.c. ex-dock.	— 35.00	double	.08 — .09
Barytes, floatedd, white, bgs. ton	33.50 — 35.00	Fuller's Earth, f.o.b. mines. ton	15.00 — 17.00	Nitre Cake, bulk wks., C/L. ton	4.00 — 4.40
Blanc Fixe, ton	80.00 — 85.00	Imported, bags	35.00 — 40.00	Orange Mineral	.11 1/4 — .14
Imported	— —	Fusel Oil, crude, drums gal.	1.35 — 1.65	Paris Green	.18 — .20
Bleaching Powder, Drums, carlots.	— —	Refined, 10 drum lots gal.	2.15 — 2.40	Paris White	15.00 — 16.00
F.o.b. wks., Contract. 100 lbs.	1.50 — 1.60	Kieselguhr bgs., C/L & less.	100 lbs. 1.75 — 2.00	Phosphorus red 110 lb. cases lb.	— .50
Prompt	100 lbs. 1.60 — 1.75	Lead Acetate, Barrels, freight allowed.		Imported	.25 — .27
Export, f.o.b. 100 lbs.	— —	White cryst.	.11 — .11 1/4	Yellow, 110 lb. cases.	.25 — .35
Imported, Drums and barrels, spot	— — 1.75	White, broken	.10 1/4 — .11	Imported	— .28
Bromine, bott. cases wks. lb.	.23 — .25	Granulated	.10 1/4 — .11 1/4	Oxychloride	.35 — .37
Calcium Acetate, bags. 100 lbs.	— 1.75	Brown, broken	.09 1/4 — .10 1/4	Sesquisulfide, 105 lb. cases lb.	— .42 1/4
Arsenate, bbls.	.10 — .13	Arsenate, powdered, bbls. lb.	.11 1/4 — .13	Trichloride	.35 — .40
Carbide, drums	.04 1/4 — .05	Paste, bbls.	.09 — .10	Plaster of Paris, tech. bbl.	4.25 — 4.50
Carbonate, bags 100 lbs.	1.00 — 1.35	Nitrate	— .16		
Chloride, solid, f.o.b. N.Y. ton	— 24.50				
Imported	— 20.00				
Granulated, f.o.b. N.Y. ton	— 30.50				

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7/4 - .07 1/4	Potash, Caustic, drums, car-	
8 - .08 1/4	lots and less, F.o.b. N. Y.	
9/4 - .09	Domestic 88-92 p.c.lb.	.08 - .10
	Imported .....lb.	.06 - .06 1/4
7/4 - .07 1/4	Domestic, 70-75 p.c. ....lb.	- - -
8/4 - .08 1/4	Potassium Bichromate, Barrels,	
9/4 - .09 1/4	carlots and less, spot.	
10/4 - .10 1/4	Crystals .....lb.	.10 - .10 1/4
11/4 - .11 1/4	Powdered .....lb.	.13 - .13 1/4
12/4 - .12 1/4	Binoxalate, tech., crys. bbls. lb.	.35 - .38
13/4 - .13 1/4	Carbonate, 80-85 p.c., bbls. lb.	.04 1/4 - .05
14/4 - .14 1/4	Hydrated .....lb.	.06 - .06 1/4
15/4 - .15 1/4	90-95 p.c. ....lb.	.05 1/4 - .06
16/4 - .16 1/4	96-98 p.c. ....lb.	.06 1/4 - .08
17/4 - .17 1/4	Chlorate, Carlots and less	
18/4 - .18 1/4	in 112 lb. kegs	
19/4 - .19 1/4	Crystals, American .....lb.	.08 - .10
20/4 - .20 1/4	Imported .....lb.	- - .06 1/4
21/4 - .21 1/4	Powdered, American .....lb.	.08 - .10
22/4 - .22 1/4	Imported .....lb.	- - .06 1/4
23/4 - .23 1/4	Pyrotechnic, 200 mesh, imp. lb.	.07 - .07 1/4
24/4 - .24 1/4	Muriate, basis 80 p.c., bgs. unit	.60 - .65
25/4 - .25 1/4	Metabisulfite .....lb.	.23 - .25
26/4 - .26 1/4	Perchlorate, 10 bbls. & less. lb.	.12 - .14
27/4 - .27 1/4	Permanganate, Com'l., bbls. lb.	.14 - .16
28/4 - .28 1/4	Imported .....lb.	.14 - .16
29/4 - .29 1/4	U.S.P. See Fine Chemicals	
30/4 - .30 1/4	*Potass. Prussiate, red. ....lb.	.65 - .70
31/4 - .31 1/4	Yellow, casks .....lb.	.31 - .32
32/4 - .32 1/4	Sulfate .....unit	- - 1.00
33/4 - .33 1/4	Titanium Oxalate .....lb.	- - .50
34/4 - .34 1/4	Salt, tech. ....ton	12.00 - 15.00
35/4 - .35 1/4	Salt Cake, Glassmaker's, wks.	
36/4 - .36 1/4	bulk C/L .....ton	20.00 - 21.00
37/4 - .37 1/4	Saltpetre, bbls. C/L & less. lb.	.07 1/4 - .09 1/4
38/4 - .38 1/4	Imported .....lb.	.06 1/4 - .07

Note: Prices on soda alkalies are based on actual percentages and not N. Y. & L. test.

Soda Ash, 58 p.c. light, bgs., resale spot flat. ....100 lbs.	1.80 - 2.10
Contract, Basis 48 p.c. carlots wks., Bags .....100 lbs	- - 1.20
Prompt and spot, Basis 48 p.c. carlots, wks., bags. ....100 lbs.	1.25 - 1.30
Soda Ash, 58 p.c. dense, bgs., resale, spot flat. ....100 lbs.	1.90 - 2.00
Contract, Basis 48 p.c. carlots wks., Bags .....100 lbs.	- - 1.25
Prompt and spot, Basis 48 p.c. carlots, wks., bags. ....100 lbs.	1.30 - 1.35
Soda, Caustic, 76 p.c. solid, resale spot, flat. ....100 lbs.	3.85 - 3.90
Contract, Basis 60 p.c., wks. carlots .....100 lbs.	- - 2.50
Prompt and spot, Basis 60 p.c. wks., carlots. ....100 lbs.	2.57 1/2 - 2.60
Contract 60 p.c. low grade cars wks. flat. ....100 lbs.	- - 2.65
Ground and flake, 76 p.c. wks., prompt and spot, carlots, drums, flat. ....100 lbs.	- - 3.72 1/2
Contract, 76 p.c. wks., carlots, drums, flat. ....100 lbs.	- - 3.65
Sodium Acetate, bbls. ....lb.	.04 - .05
Aluminum Sulfate, bbls. ....100 lbs.	3.50 - 4.00
Bicarbonate, bbls. & kgs. ....100 lbs.	1.80 - 2.25
Bichromate, bbls. C/L & LC/L .....lb.	.07 1/4 - .07 3/4
Bisulfite, Powd. ....lb.	.04 1/4 - .04 3/4
Solution 32-40 deg. ....100 lbs.	1.35 - 2.00
Carbonate Sal. bbls. ....100 lbs.	1.65 - 1.90
Chlorate, 10 bbls. ....lb.	- - .06 1/4
Imported .....lb.	- - .06
Chloride, tech. ....ton	12.00 - 15.00
Cyanide, 96-98 p.c., bbls. ....lb.	.25 - .27
73-76 p.c. ....lb.	.22 1/4 - .24
*Imported 120 p.c. ....lb.	.23 - .23 1/4
*128 p.c. ....lb.	.25 - .26

Sodium Fluoride, bbls. ....lb.	- - .10
Imported .....lb.	.09 1/4 - .10
Hydrosulfite .....lb.	.30 - .32
Hypo sulfite, Barrels and kegs, carlots.	
Crystals .....100 lbs.	3.10 - 3.35
Granulated .....100 lbs.	3.70 - 3.95
Nitrate, crude, bags, C/L ....100 lbs.	2.65 - 2.75
Double refined, Gran. bbls. lb.	.04 1/4 - .04 3/4
Nitrite, bbls., wks. ....lb.	- - .09 1/4
Spot bbls. ....lb.	- - .08 1/4
Imported, bbls. ....lb.	- - .25
Perborate .....lb.	- - .20
Peroxide .....lb.	.25 - .37
Phosphate (tri) .....lb.	.05 1/4 - .06
di-Sodium, U.S.P., gran. lb.	.07 - .08
Technical .....lb.	.03 1/4 - .04 1/4
Mono-Sodium, ref. ....lb.	.25 - .27
*Prussiate, Yellow .....lb.	.23 - .23 1/4
Silicate, 60 deg., drums & carboys .....100 lbs.	3.00 - 3.50
40 deg., tanks & chys. ....100 lbs.	.95 - 1.75
Silicofluoride, bbls. ....lb.	.08 1/4 - .09
Sulfate, Gl'b salt. bbls. ....100 lbs.	1.25 - 1.60
Imported, bags .....100 lbs.	.70 - .80
Sulfide, 60 p.c., fused solid drums .....lb.	.04 - .05
Imported .....lb.	.04 - .04 1/4
Broken .....lb.	.05 - .05 1/4
Imported .....lb.	.04 1/4 - .04 3/4
30 p.c. crystals .....lb.	.03 - .03 1/4
Sulfite, Crystals .....lb.	.03 1/2 - .03 3/4
Dessicated .....lb.	.09 1/4 - .10 1/4
Sulfocyanide, bbls. ....lb.	.45 - .47
Thiocyanate .....lb.	.45 - .47
Tungstate, crys. ....lb.	.80 - .85
Dessicated .....lb.	.70 - .75
Strontium Nitrate, bbls. ....lb.	.12 - .14
Imported .....lb.	.09 1/4 - .10
Carbonate Imp. ....lb.	.10 - .15
Sulfur Chloride, red, drums. lb.	.05 - .06
Yellow, drums .....lb.	.04 1/4 - .05
Sulfur Dioxide, liq. cyl. ....lb.	.08 - .08 1/4

THE CLEVELAND-CLIFFS IRON CO.

KIRBY BUILDING, CLEVELAND, O.

PRODUCERS OF

Wood Alcohol
Acetic Acid
Formaldehyde
Pure Acetone

Methyl Acetone
Sulphuric Acid
Sodium Acetate
Iron Liquor

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Coal-Tar Products

Sulfur, crude ex dock C/L...ton	18.00	-20.00	Acid Picramic	fb.	.65	—	.70	Diphenylamine	fb.	.58	—	.60
Flour Com'l, bbls...100 lbs.	1.70	—	Acid Picric	fb.	.20	—	.40	Diphenyloxide	fb.	.75	—	.80
Flowers, 100 p.c. bbls...100 lbs.	3.00	—	Acid Salicylic, tech.....	lb.	.20	—	.22	Ethyl Benzyl Aniline.....	fb.	—	—	1.40
Sulfuryl Chloride, drums.....	lb.	—	Acid Sulfanilic, tech.....	fb.	.22	—	.23	Ethyl Bromide	fb.	—	—	.40
Tartar Emetic	fb.	.29	Acid Tobias	fb.	1.50	—	1.60	Ethyl Chloride	fb.	—	—	.50
Tin, bichloride 50 p.c. Sol'n..	fb.	.104	Acetanilide, tech.....	fb.	.25	—	.27	"G" Salt	fb.	.65	—	.70
Crystals	fb.	.38	p-Aminoacetanilide	fb.	1.25	—	1.30	Hydrazobenzene	fb.	1.30	—	1.35
Oxide	fb.	.28	Aminazobenzene	fb.	1.25	—	1.35	Methyl Chloride	fb.	—	—	.50
Tetrachloride	fb.	.204	p-Aminophenol	fb.	1.35	—	1.45	Michler's Ketone	fb.	—	—	—
Whiting, 100 lb.bgs./C/Lwks.ton	—	-18.00	Hydrochloride	fb.	2.50	—	2.75	Monochlorobenzene, drums	fb.	.10	—	.12
Less C/L, 100 lb.bgs.wks.ton	—	-23.00	o-Aminophenol	fb.	.14	—	.15	a-Naphthol, crude	fb.	1.00	—	1.05
French, bgs., N. Y.....ton	—	-14.00	Aniline Oil, (drums extra)..	fb.	.22	—	.24	a-Naphthol, refined	fb.	1.10	—	1.15
English, bgs., N. Y.....ton	—	-23.00	Aniline Salt	fb.	2.00	—	2.10	b-Naphthol, distilled	fb.	.25	—	.26
Zinc Carbonate, kegs, carlots	—	—	o-Anisidine	fb.	3.00	—	3.05	a-Naphthylamine	fb.	.30	—	.32
and less	fb.	.14	p-Anisidine	fb.	1.65	—	1.70	b-Naphthylamine, tech.....	fb.	.95	—	1.00
Chloride, Carlots and less in	barrels.	—	Technical	fb.	1.35	—	1.60	Sublimed	fb.	1.50	—	1.55
Fused, American	fb.	.05	Anthraquinone Subl., bbls...	fb.	.75	—	.80	p-Nitroacetanilide	fb.	.55	—	.60
Imported	fb.	.054	30 p.c. paste	fb.	—	—	1.00	p-Nitroaniline	fb.	.72	—	.75
Granulated, American	fb.	.06	Benzaldehyde, Tech. drum	—	—	—	—	p-Nitroaniline	fb.	.75	—	.80
Imported	fb.	.054	Benzaldehyde, wks.	fb.	.65	—	.70	Nitrobenzene, redistilled ..	fb.	.10	—	.11
Cyanide, kegs	fb.	.42	Benzidine Base	fb.	.85	—	.90	o-Nitrochlorobenzene	fb.	.32	—	.35
Dust, 100 lb. tins.....	fb.	—	Sulfate	fb.	.70	—	.75	p-Nitrochlorobenzene	fb.	.25	—	.28
500 lb. casks, lc/l wks.....	fb.	—	Benzoyl chloride	fb.	1.00	—	1.05	Nitronaphthalene	fb.	.20	—	.22
C/L delivered	fb.	—	Benzylchloride, redistilled ..	fb.	.35	—	.37	p-Nitrophenol	fb.	.75	—	.77
Oxide, French, bbls. C/L.....	fb.	.10	95% tech.	fb.	.20	—	.25	o-Nitrophenol	fb.	.75	—	.77
American, bbls. C/L.....	fb.	.08	Bromobenzene	fb.	.35	—	.37	m-Nitro-p-toluidine	fb.	2.25	—	2.35
Sulfate, bbls., Carlots & less..	fb.	.024	Chlorobenzene, drums	fb.	.10	—	.11	p-Nitro-o-toluidine	fb.	2.75	—	2.85
			Tanks, wks.	fb.	—	—	.08	p-Nitrosodimethylaniline ..	fb.	—	—	.16
			Chlorhydrin 98 p.c drums...	fb.	1.50	—	1.75	Nitrotoluene-s, Mixed	fb.	.14	—	.15
			40 p.c. Sol'n, drums.....	fb.	.30	—	.35	o-Nitrotoluene	fb.	.12	—	.13
			Chloroform tech., drums &	tins	.274	—	.304	p-Nitrotoluene	fb.	.60	—	.75
			Diaminophenol	fb.	5.50	—	5.60	p-Oxy-benzaldehyde	fb.	1.50	—	1.60
			Dianisidine	fb.	4.50	—	4.60	p-Phenetidin	fb.	1.35	—	1.40
			o-Dichlorobenzene	fb.	.15	—	.17	p-Phenylenediamine	fb.	1.50	—	1.60
			p-Dichlorobenzene	fb.	.17	—	.20	m-Phenylenediamine	fb.	1.00	—	1.05
			Dichlorobenzene, mixed	fb.	.06	—	.074	Phenyl-a-Naphthylamine ..	fb.	—	—	—
			Diethylaniline, drums ext..	fb.	.60	—	.62	Phosgene	fb.	.60	—	.70
			Dimethylaniline, drums	fb.	.36	—	.38	Phthalic Anhydride	fb.	.35	—	.37
			Dimethylsulfate, drums	fb.	—	—	.50	"R" Salt	fb.	.54	—	.60
			Dinitrophenol	fb.	.33	—	.35	Resorcinol Technical	fb.	1.30	—	1.35
			Dinitrobenzene	fb.	.20	—	.24	Sodium o-Chloro-p-toluene sul-	fb.	.25	—	.27
			Dinitrochlorobenzene	fb.	.22	—	.24	fonate	fb.	.80	—	.85
			Dinitronaphthalene	fb.	.30	—	.33	Metanilate	fb.	.60	—	.65
			Dinitrotoluene	fb.	.20	—	.22	Naphthionate	fb.	.55	—	.60
								Picramate	fb.	.55	—	.60
								p-toluene sulfonate	fb.	.08	—	.09

Intermediates

Acid 1, 2, 4.....	fb.	.80	—	.85
Acid, Anthranilic	fb.	1.30	—	1.35
Technical	fb.	1.10	—	1.15
Acid Benzole, tech.....	fb.	.45	—	.50
Acid Broenner's	fb.	1.55	—	1.50
Acid Chloracetic, bbls. &	kegs	.32	—	.344
Acid Cleves	fb.	1.50	—	1.54
Acid Gamma	fb.	1.80	—	2.00
Acid H	fb.	.85	—	.90
Acid Laurent's	fb.	.75	—	.80
Acid Metanille	fb.	1.00	—	1.10
Acid Monosulfonic F (delta)..	fb.	2.30	—	2.35
Acid Naphthionic, Crude.....	fb.	.60	—	.62
Refined	fb.	.65	—	.67
Acid Neville & Winther's...	fb.	1.25	—	1.30
Acid Phthalic	fb.	.32	—	.35

THE *Selden* BRAND

PHTHALIC ANHYDRIDE

Pure Needle Crystals

MADE BY AIR OXIDATION PROCESS

HIGHEST DEGREE OF PURITY

NO VARIATION IN QUALITY

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IT IS comparatively easy to manufacture artificial dyestuffs of uniform excellence when the intermediates used conform to the highest commercial standards.

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Dyestuffs Department

WILMINGTON DELAWARE
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Coal-Tar Dyes

Schaeffer's Salt	lb.	.60	—	.68
Thiocarbamide	lb.	.35	—	.37
p-Toluene Sulfonamide	lb.	.40	—	.42
p-Toluene Sulfonchloride	lb.	.11	—	.14
Tolidine	lb.	1.15	—	1.20
Sulfate	lb.	—	1.00	—
Toluidine, Mixed	lb.	.30	—	.32
o-Toluidine	lb.	.16	—	.18
m-Toluidine	lb.	1.00	—	1.14
m-Toluylenediamine	lb.	.95	—	1.00
Triphenyl Phosphate	lb.	.50	—	.60
Xylidine	lb.	.42	—	.45

Crudes

Anthracene, 80-85 p.c.	lb.	.75	—	1.00
40-45 p.c.	lb.	.12	—	.17
Benzene, C. P.	gal.	.29	—	.34
Resale, drums incl. F.A.S. gal.	—	—	—	—
90 p.c.	gal.	.27	—	.32
Carbazol	lb.	.75	—	.90
Cresylic Acid, 95 p.c. dark. gal.	—	.45	—	.47
Straw, 97-99 p.c.	gal.	.50	—	.52
Cresol, U.S.P.	lb.	.12	—	.15
Cresote oil	gal.	.20	—	.22
Dip. oil	gal.	.24	—	.26
Naphthalene, balls	lb.	.08	—	.09
Flake	lb.	.07	—	.08
Second Hands	lb.	.06 1/2	—	.06 3/4
Phenol, Gov't. Surplus.	lb.	.12	—	.17
Open Market	lb.	.12	—	.15
Natural	lb.	.15	—	.16
Pitch, various grades.	ton	10.00	—	12.00
Solvent naphtha	gal.	.25	—	.30
Tar Acid Oil, 25 p.c.	gal.	.24	—	.26
50 p.c.	gal.	.34	—	.36
Toluene, pure	gal.	.30	—	.35
Xylene, 10 deg. dist. range. gal.	—	.35	—	.40
5 deg. dist. range.	gal.	.40	—	.45
Nitration, 2 deg. range. gal.	—	.45	—	.50

Coal-Tar Dyes

ACID COLORS:

Black	lb.	.80	—	1.10
Blue	lb.	1.00	—	3.00
Brown	lb.	.80	—	1.25
Fuchsin	lb.	1.50	—	2.50
Green	lb.	1.75	—	3.00
Orange I	lb.	.45	—	.50
Orange II	lb.	.80	—	.85
Orange III	lb.	.85	—	3.50
Red	lb.	.65	—	1.00
Scarlet	lb.	1.60	—	3.50
Violet	lb.	1.50	—	2.00
Azo Yellow	lb.	1.50	—	1.60
Indigotin, paste	lb.	1.20	—	1.30
Metanil Yellow	lb.	1.50	—	1.60
Naphthol Green	lb.	6.75	—	7.25
Naphthylamine Red	lb.	.58	—	.80
Orange, R. G.	lb.	.80	—	.90
Ponceau	lb.	.65	—	.70
Scarlet 2R	lb.	1.20	—	1.50
Tartarzin, Dom.	lb.	1.50	—	4.00
Wool Green S	lb.	1.50	—	4.00

DIRECT COLORS.

Black	lb.	.55	—	.65
Blue 2B	lb.	.60	—	.80
Brown R	lb.	.85	—	1.00
Brown G	lb.	1.25	—	1.70
Bordeaux	lb.	1.75	—	2.00
Fast Black	lb.	1.25	—	1.35
Fast Pink	lb.	1.75	—	2.50
Fast Red	lb.	2.35	—	2.50
Fast Yellow	lb.	1.50	—	2.00
Yellow	lb.	2.00	—	2.75
Violet con't	lb.	1.00	—	1.25
Benzopurpurin, 4 B.	lb.	1.10	—	1.20
Chrysophenine, Dom.	lb.	1.10	—	1.25
Congo Red 4B Type.	lb.	.80	—	1.00
Primuline	lb.	1.50	—	2.00

SULFUR COLORS:

Black	lb.	.30	—	.25
Blue	lb.	.60	—	1.00
Brown	lb.	.35	—	.60
Green	lb.	1.00	—	1.75
Yellow	lb.	.75	—	1.00

CHROME COLORS:

Alizarin Blue, bright.	lb.	5.00	—	5.50
Alizarin Brown, conc.	lb.	—	—	2.50
Alizarin Cyanine	lb.	1.10	—	2.00
Alizarin Orange	lb.	1.25	—	1.50
Alizarin Red, 20 p.c. Paste. lb.	—	.60	—	1.00
Alizarin Yellow G.	lb.	.85	—	1.00
Chrome Black, Dom.	lb.	.55	—	.65
Chrome Blue	lb.	.75	—	2.00
Chrome Brown	lb.	.80	—	1.00
Chrome Green, Dom.	lb.	1.80	—	3.00
Chrome Red	lb.	1.75	—	2.00
Chrome Yellow	lb.	.65	—	1.00

BASIC COLORS:

Alkali Blue, conc.	lb.	4.50	—	5.00
Auramine O	lb.	—	—	1.50
Auramine OO	lb.	—	—	2.50
Bismarck Brown R.	lb.	.70	—	.80
Brilliant Green Crystals.	lb.	2.25	—	2.50
Chrysoidin	lb.	.75	—	.80
Crystal Violet	lb.	3.00	—	3.25
Indigo 20 p.c. paste.	lb.	.35	—	.38
Fuchsin Crystals, Dom.	lb.	3.00	—	3.40
Malachite Green, Crystals. lb.	—	1.60	—	1.65
Methylene Blue, tech.	lb.	1.50	—	2.00
Methyl Violet, 6B.	lb.	2.75	—	3.25
Nigrosine, spts. sol.	lb.	—	—	.70
Rhodamine B. ex. con't.	lb.	8.00	—	9.00
Safranin	lb.	2.50	—	3.00
Victoria Blue, base, Dom. lb.	—	3.50	—	4.50

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ANTHRAQUINONE

SUBLIMED SUBLIMED PASTE

Sanborn
Chemical Works
PUTNAM, CONN.Coal Tar
DisinfectantsPhenol coefficients 2 to 20. Rideal-Walker Test.
Produce white emulsion free from deposit. Phenol
coefficients guaranteed.Baird & McGuire, Inc.
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Dyestuffs

Natural Dyestuffs

Annatto, fine	lb.	.26	—	.29
Seed	lb.	.05	—	.06
Carmin No. 40	lb.	5.00	—	5.25
Cochineal	lb.	.33	—	.40
Gambler, see tanning.				
Indigo, Bengal	lb.	—	—	—
Oudes	lb.	—	—	—
Guatemala	lb.	—	—	—
Kurpahs	lb.	—	—	—
Madras	lb.	.90	—	.92
Madder, Dutch	lb.	.25	—	.26
Nutgalls, blue Aleppo	lb.	.14	—	.15
Chinese	lb.	.15	—	.16
Quercitron Bark, see tanning.				
Turmeric, Madras	lb.	.06 1/4	—	.06 1/4
Aleppy	lb.	.06	—	.06 1/4

Dyewoods

Barwood	lb.	.04 1/2	—	.05
Camwood, chips	lb.	.09	—	.13
Fustic, sticks	ton	35.00	—	37.00
Chips	lb.	.04	—	.06
Hypernic, chips	lb.	.06 1/4	—	.07
Logwood Sticks	ton	—	—	30.00
Chips	lb.	.02 1/2	—	.03
Quercitron Bark, see tanning.				
Red Saunders	lb.	.12	—	.13

Dye Extracts

Note: Range of prices on dye extracts includes quality range for large quantity.				
Arcil, Double	lb.	.16	—	.18
Triple	lb.	.37	—	.19
Concentrated	lb.	.18	—	.20

Cutch, Mangrove, see Tanning				
Rangoon, boxes	lb.	.15	—	.18
Liquid	lb.	.10	—	.11
Tablet	lb.	.13	—	.14
Cudbear, French	lb.	—	—	—
English	lb.	.21	—	.23
Concentrated	lb.	—	—	—
Flavine	lb.	.90	—	.95
Fustic, Solid	lb.	.14	—	.18
Crystals	lb.	.22	—	.24
Liquid, 51 deg.	lb.	.10	—	.14
Gall	lb.	.16	—	.18
Hematin Extract 51 deg.	lb.	.11 1/4	—	.13 1/4
Crystals	lb.	.16	—	.20
Hypernic, liquid, 51 deg.	lb.	.15	—	.20
Logwood, solid	lb.	.15	—	.23
51 deg., Twaddle	lb.	.08	—	.13
Osage Orange, Extract 42 deg.	lb.	.07	—	.10
Crystals	lb.	.18	—	.19
Persian Berries	lb.	.27	—	.30
Quebracho, see tanning.				
Quercitron, 51 deg.	lb.	.06	—	.07
Powdered, 100 p.e.	lb.	.09	—	.13

Miscellaneous Dyestuffs

Albumen, Egg, edible	lb.	—	—	.75
*Technical	lb.	—	—	.65
Blood, imported	lb.	—	—	.50
Domestic	lb.	.45	—	.50
Prussian blue	lb.	.45	—	.50
Soluble	lb.	.45	—	.50
Spray yolk	lb.	.35	—	.45
Turkey Red Oil	lb.	.09	—	.11
Yolk Oil	lb.	—	—	.35

Dextrins and Starches

British Gum	per 100 lbs.	3.29	—	3.57
Dextrin, Corn, white or yellow	per 100 lbs.	2.99	—	3.27
Potato white or canary	lb.	.09	—	.09 1/4
Sago Flour	lb.	.03 1/4	—	.03 1/4
Starch, Powd., bags	100 lbs.	2.32	—	2.60
Pearl, bags	100 lbs.	2.22	—	2.50
Potato, Domestic	lb.	.05 1/4	—	.05 1/4
Imported, duty paid	lb.	.06 1/4	—	.07 1/4
Tapioca flour, high grade	lb.	.05	—	.05 1/4
Medium grade	lb.	.03 1/4	—	.04
Low grade	lb.	.03	—	.03 1/4

Tanning Woods

Algarobilla	ton	—	—	—
Divi Divi	ton	32.00	—	34.00
Hemlock Bark	ton	16.00	—	18.00
Mangrove, African, 38 p.e.	ton	—	—	35.00
Bark, S. A.	ton	25.00	—	30.00
Myrobalans, J1	ton	—	—	25.00
J2	ton	—	—	20.00
B1	ton	—	—	24.00
B2	ton	—	—	19.00
R2	ton	—	—	17.00
Oak Bark	ton	20.00	—	23.00
Ground	ton	—	—	25.00
Quercitron Bark rough	ton	—	—	10.00
Ground	ton	20.00	—	28.00
Sumac, Sicily, 28 p.e.	ton	55.00	—	58.00
Virginia, 25 p.e.	ton	—	—	35.00
Valonia Cups 28-33 p.e.	ton	31.00	—	35.00
Beard 40 p.e.	ton	40.00	—	42.00
Wattle Bark	ton	38.00	—	40.00



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Fixed Oils

Tanning Extracts

Chestnut, clarified, 25 p.c. tan, tanks, f.o.b. wks.....lb.	.01½	.01¾
Powdered, 60 p.c.....lb.	.05½	.05¾
Decolorized.....lb.	.09	.09½
Gambler, 25 p.c. tan liq.....lb.	.06½	.07
Common.....lb.	.06½	.05¾
Cubes, Singapore.....lb.	.07	.07½
Hemlock, 25 p.c. tan works..lb.	.04	.04½
Larch, 25 p.c. tan.....lb.	.03¾	.04
Crystals, 50 p.c. tan.....lb.	.08	.08½
Mangrove, 55 p.c. tan.....lb.	.06¾	.06¾
Myrobalans, liq., 25 p.c.tan..lb.	.05	.05½
Solid, 50 p.c. tan.....lb.	.06¾	.06¾
Oak Bark, liquid, 23-25 p.c.tan..lb.	.05	.05¾
Tanks.....lb.	.04½	.04¾
Quebracho, liquid, 35 p.c. tks..lb.	.03½	.03¾
Barrels.....lb.	.04	.04¾
35 p.c. tan, bleaching.....lb.	.04½	.05
Solid, 65 p.c. tan ordinary..lb.	.04½	.04¾
Clarified.....lb.	.05	.05¾
Spruce, liquid, 25 p.c. tan, works, tanks.....lb.	.01	.01¾
Powd., 50 p.c. tan.....lb.	.02	.02¾
Sumac, liquid.....lb.	.07	.09

Animal and Fish Oils

(Carloads)		
Cod Newfoundland.....gal.	.60	.62
Tanks.....gal.	.55	.56
Domestic, prime.....gal.	—	—
Degras American.....lb.	.04½	.04½
English.....lb.	.04½	.05
Neutral.....lb.	.06	.07

*Herring, N.Y. bbls.....gal.	.44	.45
Horse.....lb.	.04½	.04¾
Lard prime, tech.....lb.	.10½	.10½
Edible.....lb.	—	.14½
Off prime.....lb.	—	.10¾
No. 1.....lb.	—	.09½
Extra, No. 1.....lb.	—	.09¾
No. 2.....lb.	—	.09
Menhaden, Light strained..gal.	.56	.58
Yellow, bleached.....gal.	.58	.60
Extra, bleached, winter.gal.	.60	.62
Blown.....gal.	.65	.68
*Crude, f.o.b. works, bbls.gal.	—	—
*Tanks, wks.....gal.	—	—
Neatsfoot, 20 deg.....lb.	—	.24
30 deg, cold test.....lb.	—	.18
Pure.....lb.	—	.10¾
Oleo Oil, No. 1.....lb.	—	.09¾
No. 2.....lb.	—	.08½
Red Distilled.....lb.	—	.08½
Saponified.....lb.	—	.08½
Salmon, tanks, Coast.....gal.	—	.40
Sod.....gal.	—	.44
Sperm bleached winter	—	—
38 deg, cold test.....gal.	—	1.65
45 deg, cold test.....gal.	—	1.60
Stearic Acid, single pressed..lb.	.09	.09¾
Double pressed.....lb.	—	.09½
Triple pressed.....lb.	.10½	.11
Tallow acidless, tanks.....lb.	—	.09¾
Barrels, c.l.....lb.	—	.10
Whale, natural winter.....gal.	—	.70
Bleached, winter.....gal.	—	.75
Crude, No. 1 tanks, Coast..lb.	.05	.05¾
No. 2.....lb.	—	—

Greases, Lards, Tallowes

(New York Markets)		
Grease, Choice White.....lb.	.07¾	.08
Yellow.....lb.	.05½	.06
Brown.....lb.	.05	.05½
House.....lb.	.05¾	.05¾
Bone Naphtha.....lb.	.04½	.05

Lard City, Steam.....lb.	.11¾	.12
Compound.....lb.	.13	.13½
Stearine, lard.....lb.	.14¾	.14½
Oleo.....lb.	.09¾	.09¾
Tallow, edible.....lb.	—	.08
City, Extra, loose.....lb.	—	.06¾
(Chicago Markets)		
Tallow, edible.....lb.	.07¾	.07¾
City Fancy.....lb.	.07	.07¾
Prime Packers.....lb.	.06¾	.07
Grease, Choice White.....lb.	.06¾	.07
*"B" White.....lb.	.06	.06¾
Yellow.....lb.	.05¾	.05¾
Brown.....lb.	.04¾	.05
Bone.....lb.	.04	.04½
House.....lb.	.04¾	.05
Stearine, prime Oleo.....lb.	.08½	.08¾
Lard.....lb.	.11¾	.11¾

Vegetable Oils

Castor, No. 1, bbls.....lb.	—	.12
Cases.....lb.	—	.11
No. 3.....lb.	—	.14
China Wood Oil, bbls.....lb.	.13½	.14
*Coast, tanks.....lb.	—	.11½
Orient to N. Y., bbls.....lb.	.12	.12½
Coconut Dom., Ceylon, bbls..lb.	.08¾	.09
*Tanks, Spot.....lb.	.08	.08¾
Cochin, bbls., Dom.....lb.	.09¾	.10
*Tanks.....lb.	.08¾	.09
Manila, tanks, coast.....lb.	.07¾	.07½
Edible.....lb.	.10¾	.11
Copra, c.i.f., N. Y.....lb.	.12	.12¾
Corn, refined, bbls.....lb.	.09½	.09¾
Crude Tanks Shipping pt..lb.	.10¾	.11
Barrels.....lb.	—	.11½
*Cottonseed, Crude, f.o.b. mills in buyers' tanks.....lb.	—	.10
Prime Summer, Yel., bbls..lb.	.11	.11¾
*White.....lb.	—	.12
Winter, yellow.....lb.	—	.12¾
*Nominal	—	—

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Linseed, raw car lots.....gal.	—	.90
10 barrel lots.....gal.	—	.93
Boiled, 5-bbl. lots.....gal.	—	.95
Double boiled.....gal.	—	.96
Raw, tanks.....gal.	—	.86
Imported, spot, bbls.....gal.	.86	.88
Olive, denatured.....gal.	1.12	1.15
Edible.....gal.	1.80	2.10
*Foots, Spot, bbls.....lb.	.08½	.09½
Shipment, bbls.....lb.	.08½	.09
Palm Lagos, casks.....lb.	.07½	.07½
Bonny Old Calabar.....lb.	.07½	.07½
Niger.....lb.	.06½	.06½
Palm Kernel, domestic.....lb.	—	—
Imported.....lb.	.09	.09½
Peanut Oil, refined.....lb.	.13	.13½
Crude, f.o.b. mills tanks.....lb.	.10	.10½
*Oriental, coast, tanks.....lb.	—	—
*Crude, bbls, spot.....lb.	—	.11½
Perilla, c.f.f., N. Y., bbls.....lb.	—	—
Bbls, N. Y.....lb.	.13½	.14
Poppy Seed.....gal.	—	2.50
Rapeseed, ref'd bbls.....gal.	.83	.85
Blown, bbls, 8 lbs.....gal.	.92	.95
Sesame, domestic, edible.....gal.	1.10	1.15
*Imported.....lb.	—	—
Soya Bean, tanks Coast, May, lb.	.10½	.11
C.I.F., N. Y. in Bond.....lb.	.07	.07½
New York, bbls, crude.....lb.	—	.11½
Edible.....lb.	.13	.13½
Teaseed, crd., bbls.....lb.	.12	.12½
Walnut, Crude.....lb.	.10	.10½

OIL CAKE AND MEAL

Cottonseed Cake, f.o.b. Texas..	—	—
f.o.b. New Orleans.....	—	—
Cottonseed, Meal, f.o.b. Atlanta	—	33.00
Columbia.....	—	—
New Orleans.....ton	—	—
Corn Cake.....short ton	—	—
Meal Chicago.....short ton	—	30.00
Linseed cake, dom.....short ton	—	47.00
Linseed Meal.....short ton	—	49.00

*Nominal

Naval Stores

(Carloads ex-yard)

Spirits Turpentine, in bbls.gal.	—	.97½
Wood Turpentine, steam dis-	—	—
tilled, bbls.....gal.	—	—
Dest active distilled, bbls.gal.	—	—
Pltch Prime.....bbl.	—	6.00
Rosins, B.....	—	5.40
D.....	—	5.55
E.....	—	5.70
F.....	—	5.80
G.....	—	5.85
H.....	—	5.90
I.....	—	5.95
K.....	—	6.00
M.....	—	6.25
N.....	—	6.50
WG.....	—	7.50
WW.....	—	8.25
Rosin Oil, first run.....gal.	.36	.37
Second run.....gal.	.38	.39
Tar, kiln-burnt.....bbl.	—	10.00
Retort.....bbl.	—	9.00

Fertilizer Materials

*Ammon. Sulf. bulk, wks. 100 lbs.	2.90	3.00
Double bgs., f.a.s., N.Y. 100 lbs.	3.50	3.60
Blood, dried, f.o.b. N.Y.....unit	3.65	3.70
Bone, 3 and 50, ground, raw, ton	28.00	30.00
Raw, Chicago.....ton	—	25.00
Cyanamide wks.....unit	—	2.75
Fish Scrap, dom, dried, f.o.b.	—	—
works.....unit	3.50	& .10
Nitrate Soda.....100 lbs.	2.65	2.75
Tankage, high-grade, f.o.b.	—	—
Chicago.....unit	3.65	& .10
Ground, N. Y.....unit	3.75	& .10

Phosphate Rock—F.o.b. Mines

Florida pebble, 68-78 p.c.....ton	3.00	5.50
Tennessee, 70-75 p.c.....ton	4.00	5.50
Phosphate, Acid, 16 p.c.wks.ton	8.00	8.50
Potassium muriate, 80 p.c.unit	—	.65
Sulfate.....unit	—	1.00
Steamed Bone Meal, N.Y.....ton	28.00	30.00

Metals

Aluminum 98-99% Virgin.....cwt.	17.50	18.50
Remelted, Scrap.....cwt.	.08½	.09
Antimony, Jap. & Chinese.cwt.	5.37½	5.50
Bismuth, (See Fine Chemical Prices)	—	—
Cadmium.....lb.	1.00	1.10
Cobalt.....lb.	3.00	3.25
Copper prime Lake.....cwt.	13.75	14.00
Electrolytic.....cwt.	13.75	14.00
Casting.....cwt.	—	13.00
Graphite, crude, Amorphous.ton	18.00	45.00
Flake.....lb.	.04	.08
Iridium.....oz.	150.00	160.00
Lead, N. Y.....cwt.	—	5.50
Magnesium, 99 p.c.....lb.	—	1.25
Manganese ore.....unit	.25½	.26
Mercury.....flask	55.00	57.00
Nickel Ingot.....cwt.	—	36.00
Shot.....cwt.	—	37.00
Electrolytic.....cwt.	—	39.00
Palladium.....oz.	51.00	55.00
Platinum, pure.....oz.	—	85.00
Silver.....oz.	—	.99½
Foreign.....oz.	—	.73½
Tin Straits.....cwt.	—	31.00
American, Standard.....cwt.	—	30.50
99 p.c. pure.....cwt.	—	30.00
Tungsten, ore per short ton unit	—	2.00
Wolframite, Chinese.....	—	2.75
Bolivian.....	—	3.00
Scheelite, Amer.....	—	—
Japanese.....	—	—
Zinc Slabs, High Grade, C/L.cwt.	—	6.00
Common, C/L, N.Y.....cwt.	—	5.50

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MISCELLANEOUS

Agar Agar, No. 1.....lb.	1.20	— 1.25
No. 2.....lb.	1.00	— 1.05
No. 3.....lb.	.85	— .86
Agaric, white.....lb.	1.35	— 1.50
Almonds, bitter, 28 lb. bxs.....lb.	.25	— .30
Sweet.....lb.	.30	— .35
Meal.....lb.	.28	— .30
Ambergris, black.....oz.	—	8.00
Grey.....oz.	—	25.00
Areca Nuts.....lb.	.08	— .08 1/4
Powdered.....lb.	—	.12
Arrowroot, Amer. powd.....lb.	.05	— .06
St. Vincent, powd., bbls.....lb.	.08	— .09
Balm of Gilead Buds.....lb.	.40	— .45
Burgundy Pitch, Dom.....lb.	—	.05
Cantharides, Chinese, cases.....lb.	1.00	— 1.10
Powdered.....lb.	1.25	— 1.30
Russian, whole.....lb.	—	5.00
Powdered.....lb.	—	5.00
Cascara Amarga, 150 lb. bales.....lb.	.35	— .36
Castoreum.....lb.	—	4.00
Charcoal Willow, pd. bbls.....lb.	.06	— .07
Wood, powdered.....lb.	.04	— .04 1/4
Civet.....oz.	2.75	— 3.00
Cochineal, U.S.P.....lb.	.40	— .50
Colocynth, Apples.....lb.	.22	— .23
Pulp, U.S.P.....lb.	.39	— .40
Spanish Apples.....lb.	.28	— .29
Cuttlefish Bone, Trieste.....lb.	.18	— .19
Jewelers, large.....lb.	.60	— .70
Small.....lb.	.60	— .70
French.....lb.	.18	— .20
Powdered.....lb.	—	.14
Dragon's Blood, Mass.....lb.	.50	— .55
Reeds.....lb.	.68	— .70
Ergot, Russian.....lb.	—	1.05
Spanish, 200 lb. bags.....lb.	—	1.05
Grains of Paradise.....lb.	.12	— .13
Guarana.....lb.	—	.80
Honey Calif.....lb.	—	.11

Hops, N. Y., prime.....lb.	.23	— .25
Pacific Coast, prime.....lb.	.23	— .25
Isinglass, American (see Agar Agar)		
Russian.....lb.	—	10.00
Kamala.....lb.	—	3.25
Kola Nuts, 150 lb. bags.....lb.	.04	— .05
Leeches.....C.	5.00	— 6.00
Lime Juice, clarified.....gal.	.50	— .60
Lupulin.....lb.	—	1.25
Lycopodium, 22 lb. boxes.....lb.	1.00	— 1.10
Manna, large flake.....lb.	—	.85
Small flake.....lb.	.50	— .52
Sorts.....lb.	—	.45
Moss, Iceland.....lb.	.07	— .08
Irish, Bleached.....lb.	.07	— .09
Musk, pods, Cabardine.....oz.	16.00	— 17.00
Tonquin.....oz.	17.00	— 19.00
Grain, Cab.....oz.	25.00	— 26.00
Tonquin.....oz.	32.00	— 33.00
Synthetic, See Aromatic Chemicals		
Nutgalls, Chinese.....lb.	.16	— .17
Aleppy.....lb.	.13	— .14
Nux Vomica, buttons, bgs.....lb.	.06	— .07
Powdered, bbls.....lb.	.10	— .11
Quassia Chips.....lb.	.08	— .08 1/4
Sandalwood, Chips.....lb.	—	.35
Ground.....lb.	—	.40
Scammony, resin.....lb.	—	1.25
Spermaceti, blocks.....lb.	.30	— .31
Storax, liquid, artif.....lb.	.75	— .80
Gen., U.S.P.....lb.	—	1.30
Tamarinds, bbls.....lb.	.03	— .03 1/4
Kegs.....per keg	2.75	— 3.00
Tar, Barbadoes.....gal.	1.25	— 1.35
Turpentine, Venice, True.....lb.	.40	— .42
Artificial.....lb.	.09	— .10
Spirits, See Naval Stores		

BALSAMS

Copaiba, Para.....lb.	.25	— .26
South American.....lb.	.29	— .30
Fir, Canada.....gal.	10.75	— 11.00
Oregon, bbls., cans.....gal.	1.20	— 1.45
Peru.....lb.	2.15	— 2.20
Tolu.....lb.	.50	— .55

BARKS

Angostura.....lb.	.14	— .15
Basswood Bark, pressed.....lb.	.14	— .15
Barberry (tree).....lb.	.25	— .26
Bayberry.....lb.	.10	— .12
Blackhaw of Root.....lb.	.22	— .23
of Tree.....lb.	.15	— .16
Buckthorn.....lb.	.06 1/2	— .07
Calisaya.....lb.	.18	— .22
Canella alba.....lb.	.50	— .55
Cascara Sagrada.....lb.	.11	— .17
Cascarilla, quills.....lb.	.30	— .35
Siftings.....lb.	.20	— .25
Chestnut.....lb.	.08 1/2	— .09
Cinchona, Red quills.....lb.	.45	— .55
Broken.....lb.	.15	— .20
Condurango, 75 lb. bales.....lb.	.08	— .09
Cotton Root.....lb.	—	.14
Cramp (so-called).....lb.	.08	— .09
Cramp (true).....lb.	.40	— .42
Dogwood, Jamaica.....lb.	.09	— .11
Elm, Select, 5 lb. bundles.....lb.	.21	— .22
Grinding.....lb.	.11	— .12
Powdered.....lb.	.13	— .14
Fringe Tree.....lb.	.20	— .21
Hemlock.....lb.	—	.06
Lemon Peel.....lb.	.08 1/4	— .09
Mezereon.....lb.	.10	— .11
Oak, red.....lb.	.05	— .06
White.....lb.	.05	— .06

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Diacetyl-Morphine
Glycerophosphates

Iodoform
Mercurials (Hard)
Morphine and its Salts
Opium Powder, U. S. P.
Opium Gran., U. S. P.
Potassium Iodide

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Crude Drugs

SHELLAC

D. C.	..92	—	93
Fine Orange	..80	—	81
Second Orange	..78	—	80
T. N.	..71	—	72
Ground reg.	..85	—	87
Regular bleached	..77	—	78
Bone Dry	..91	—	92

LEAVES AND HERBS

Aconite	..26	—	27
Balmomy	..14	—	15
Belladonna	..10	—	13
Boneset, leaves and tops	..09	—	10
Buchu, Short, 250 lb. bales	..85	—	92
Long	..	—	—
Cannabis, true, imported	..	—	6.00
American (no assay)	..	—	20
U.S.P.	..	—	30
Catnip	..10	—	15
Chestnut	..	—	06
Chiretta	..	—	20
Coca, Huanuco	..	—	—
Truxillo	..	—	35
Coltsfoot	..07	—	07 1/2
Corn Silk, 200 lb. bales	..05	—	05 1/2
Damlana	..09	—	10
Deer Tongue	..07 1/2	—	08
Digitalis	..08	—	09
Eucalyptus	..05	—	05 1/2
Euphorbia Pilulifera	..14	—	15
Grindelia Robusta	..09	—	10
Henbane	..	—	65
Henna	..17	—	18
Horehound	..08	—	09
Horsetail	..14	—	15
Jaborandi	..35	—	40

Laurel	..03 1/4	—	04
Life Everlasting	..05	—	06
Liverwort	..	—	25
Lobelia	..08 1/2	—	09
Matico	..	—	20
Marjoram, German	..22	—	23
French	..13 1/2	—	16
Motherwort Herb	..	—	11
Patchouli	..25	—	28
Pennyroyal	..08	—	14
Peppermint, American	..20	—	22
Pichi	..	—	10
Prince's Pine	..14	—	15
Plantain	..	—	15
Pulsatilla	..	—	50
Queen of the Meadow	..06	—	06 1/2
Rosemary	..03	—	04
Rue	..	—	—
Sage, Dalmatian	..05 1/4	—	06 1/4
Greek	..03	—	04
Spanish	..03	—	04
Savory	..10	—	10 1/2
Senna, Alex. whole, cases	..32	—	35
Half Leaf, 350 lb. bales	..15	—	16
Siftings	..09	—	09 1/2
Powdered	..12	—	13
Tinnevely, Jobbing	..10	—	12
Grinding	..04	—	06
Pods	..05	—	06 1/2
Powdered	..08	—	09
Sideritis, cut	..19	—	20
Skullcap, Western	..	—	20
Spearmint, American	..	—	24
Squaw Vine	..14	—	15
Stramonium	..08 1/2	—	09
Tansy	..16	—	18
Thyme Spanish	..07 1/2	—	08
French	..08 1/2	—	09
Uva Ursi	..06	—	07
Witch Hazel	..08	—	09
Wormwood, imported	..10	—	12
Yerba Santa	..11	—	12

ROOTS

Aconite, U.S.P.	..22	—	24
Aletris (Unicorn true)	..30	—	32
Alkanet	..10	—	12
Althea, cut	..13	—	14
Whole	..08	—	10
Angelica American	..15	—	16
Arnica	..25	—	26
Bamboo Brier	..04	—	05
Bearsfoot	..04 1/2	—	05
Belladonna	..11	—	13
Berberis Aquifolium	..17	—	18
Beth	..17	—	18
Blood	..14	—	15
Blueflag	..24	—	26
Bryonia	..10	—	12
Burdock	..12	—	13
Calamus, bleached	..	—	45
Unbleached, natural	..10	—	11
Cohosh, black	..07	—	08
Blue	..08	—	09
Colchicum	..13	—	15
Colombo, whole	..03	—	04
Comfrey	..20	—	22
Culver's	..17	—	18
Cranesbill	..12	—	13
Dandelion, Imported	..07 1/2	—	08
Doggrass, U.S.P., cut	..09	—	10
Echinacea	..34	—	35
Elecampane	..09	—	10
Galangal	..07	—	08
Gelsemium	..11	—	12
Gentian	..08	—	09

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Seeds and Spices

Ginger, Jamaica, (see Spices)			Serpentaria	lb.	.90	— 1.00	Foenugreek, 200 lb. bags.....	lb.	.0334	— .04
Ginseng, Cultivated	lb.	1.50 — 3.00	Skunk Cabbage	lb.	.13	— .20	Hemp, Manchurian	lb.	.04	— .044
Northwestern wild	lb.	7.00 — 9.00	Snake, Canada natural	lb.	—	.30	Chilian	lb.	—	—
Southern wild	lb.	6.00 — 8.00	Stripped	lb.	—	.45	Job's Tears, white	lb.	.071/2	— .08
Golden Seal	lb.	— 3.15	Spikenard	lb.	.17	— .18	Larkspur	lb.	—	.22
Powdered	lb.	3.55 — 3.75	Squill, white	lb.	.04	— .041/2	Lobelia	lb.	—	.70
Hellebore, Black, Powd.....	lb.	— .20	Stillingia	lb.	.09	— .091/2	Millet, Dom. yellow.....	lb.	.03	— .031/2
White	lb.	— .12	Stone	lb.	—	.10	Mustard, Bari, Brown.....	lb.	.06	— .061/2
Powdered, 250 lb. bbls.....	lb.	— .14	Turmeric Madras	lb.	.06	— .061/2	Bombay, Brown	lb.	—	.06
Helonias (Unicorn false).....	lb.	.45 — .48	Aleppy	lb.	.06	— .061/2	California, Brown	lb.	.0534	— .061/2
Ipecac Cartagena	lb.	1.60 — 1.65	Unicorn false, See Helonias				Yellow	lb.	—	.061/2
Powdered	lb.	1.90 — 2.00	True, See Aletris				Chinese, Yellow	lb.	.031/2	— .04
Rio whole	lb.	1.60 — 1.65	Valerian, Belgian	lb.	—	.09	English, Yellow	lb.	.061/2	— .07
Powdered	lb.	1.90 — 2.00	Yellow Dock	lb.	—	.12	Danish, Yellow	lb.	.061/2	— .061/2
Jalap, whole, 150 lb. bales.....	lb.	.16 — .18	Yellow Parilla	lb.	—	.20	Dutch, Yellow	lb.	.061/2	— .061/2
Powdered, U.S.P.	lb.	.22 — .24	Zedoary	lb.	.051/4	— .06	Parsley	lb.	.11	— .12
Kava Kava	lb.	— .17					Poppy, Dutch	lb.	.14	— .141/2
Lady Slipper	lb.	.65 — .70					Turkish	lb.	.06	— .08
Licorice, *Russian, cut	lb.	—					Blue Indian	lb.	.08	— .081/2
Spanish natural bales.....	lb.	.061/2 — .07					White Indian	lb.	.07	— .071/2
Selected	lb.	.22 — .23					Pumpkin	lb.	.14	— .15
Powdered, 250 lb. bbls.....	lb.	.0834 — .091/2					Quince	lb.	1.25	— 1.30
Lovage	lb.	.38 — .45					Rape South Amer.....	lb.	.03	— .051/2
Manaca	lb.	— .20					Dutch	lb.	.071/2	— .08
Mandrake	lb.	.12 — .13					Japanese, small	lb.	.071/4	— .071/2
Musk, Russian	lb.	—					Sabadilla	lb.	—	.10
Orris, Florentine bold.....	lb.	.07 — .08					Stavesacre	lb.	—	.35
Verona	lb.	.05 — .06					Stramonium	lb.	.13	— .14
Powdered	lb.	.08 — .10					Strophanthus, Hispidus	lb.	—	—
Fingers	lb.	.75 — .80					Kombe	lb.	—	.35
Pareira Brava	lb.	.23 — .25					Sunflower, domestic	lb.	.06	— .061/2
Pink true	lb.	.75 — .80					South American	lb.	.05	— .051/2
Pleurisy	lb.	.23 — .24					Worm, American	lb.	.10	— .11
Poke	lb.	.07 — .071/2					Levant	lb.	2.25	— 2.50
Rhatany	lb.	.10 — .11								
Rhubarb, H. D., 350 lb. cases.....	lb.	.60 — .65								
Powdered, 225 lb. bbls.....	lb.	.65 — .70								
Sarsaparilla, Honduras	lb.	.48 — .50								
Mexican	lb.	.40 — .43								
Scammony Root	lb.	.05 — .06								
Senega	lb.	1.10 — 1.25								

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Cloves, Zanzibar, 135 lb. bale..	.29 1/2	— .30
Amboyas60	— .65
Penang09 1/4	— .10
Ginger, African37	— .38
Jamaica, grinding .....	.09 1/4	— .10
Cochin ABC and lemon .....	.44	— .45
Mace, Siau, No. 1 .....	.45	— .46
Banda, No. 1 .....	.29	— .30
Nutmegs, 110s .....	.20	— .21
75s-80s .....	.27	— .28
Paprika .....	.15	— .20
Pepper, Black Sing .....	.09 1/2	— .10
Pepper, White .....	.13 1/2	— .14
Peppers, Red, Mombasa .....	.32	— .33
Cherries .....	.18 1/2	— .19
Bombay .....	.15 1/2	— .16
Japan .....	.37	— .38
Pimento, Select .....	.04 1/2	— .04 3/4

WAXES

Bayberry .....	.19 1/4	— .22
Bees, white .....	.35	— .39
Yellow, refined .....	.25	— .26
Crude .....	.17	— .19
Candelilla .....	.24	— .25
Carnauba, Flor .....	.45	— .48
No. 1, North Country .....	.44	— .46
No. 2, North Country .....	.25	— .26
No. 3, Fatty Gray .....	.15	— .16
No. 3, Chaiky .....	.14 1/2	— .15
Ceresin Yellow, 200 lb. bags ..	.07 1/2	— .08 1/2
White .....	.09	— .10
Japan, 200 lb. cases .....	.16 1/2	— .17
Montan, crude .....	.04 1/2	— .05
*Bleached	—	—
Ozokerite, brown, hard .....	.22	— .24
Green, hard .....	.25	— .26
Refined, yellow	—	—
Paraffin, ref'd 128-130 deg.m.p..	.03 1/4	— .04 1/4
Ref'd 118-120 deg03 1/4	— .03 1/2
Stearic Acid, See Animal Oils		

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Almond, Bitter, U.S.P.	lb.	4.75	— 5.25
Bitter, f.f. P.A.	lb.	5.25	— 5.50
Artificial, U.S.P., See Aromatic Chems.			
Sweet	lb.	.50	— .60
Peach Kernel (Apricot)	lb.	.25	— .27
Amber, Crude	lb.	1.00	— 1.05
Rectified	lb.	1.15	— 1.20
Angelica Root	lb.	38.00	— 39.00
Seed	lb.	—	40.00
Anise Tech., 16-2-3 lb. cans ..	lb.	.50	— .55
U. S. P.	lb.	.60	— .65
Bay	lb.	2.50	— 2.75
Bergamot, 25 lb. coppers	lb.	4.40	— 4.50
Artificial	lb.	2.50	— 2.75
Birch Var, Rect.	lb.	—	2.75
Crude	lb.	—	1.85
Bois de Rose	lb.	3.00	— 3.50
Cade	lb.	.50	— .60
Cajuput, Native	lb.	.70	— .80
U.S.P.	lb.	.75	— .85
Calamus	lb.	4.75	— 5.00
Camphor, by-product	lb.	.11 1/2	— .12
Japanese white	lb.	.19	— .20
Chinese, white	lb.	.17	— .18
Cananga, Native	lb.	2.75	— 3.00
Rectified	lb.	3.50	— 4.00
Caraway, Rectified	lb.	2.25	— 2.40
Crude	lb.	1.90	— 2.15
Cardamom, U.S.P.	lb.	13.00	— 14.00
Carvol	lb.	3.15	— 3.25
Cassia Technical, 75-95 p.c.	lb.	1.25	— 1.30
Redistilled, U.S.P.	lb.	1.75	— 1.80
Cedar Leaf, 50 lb. cans	lb.	.85	— .90
Cedar Wood, light	lb.	.28	— .30
Celery	lb.	9.00	— 10.00
Cinnamon, Ceylon, heavy	lb.	12.00	— 13.00
Leaf	lb.	—	2.00
Citronella, Ceylon	lb.	.53	— .54
Java	lb.	—	.75
Cloves, 50 lb. cans	lb.	2.00	— 2.05
Bottles, 5 lbs.	lb.	2.10	— 2.15
Copaiba, U.S.P.	lb.	.40	— .45
Coriander, U.S.P.	lb.	—	11.50
Croton, 25 lb. tins	lb.	—	1.10

Cubebs, U.S.P., 5 lb. bot.	lb.	6.50	— 6.75
Cumin	lb.	4.50	— 4.75
Dill	lb.	—	4.00
Erigeron	lb.	1.75	— 1.80
Eucalyptus, Australian, U.S.P.	lb.	.35	— .38
Fennel, sweet, U.S.P.	lb.	1.65	— 1.70
Geranium, Rose Algerian	lb.	8.75	— 9.25
Bourbon, (Reunion)	lb.	5.50	— 6.00
Turkish	lb.	—	4.25
Ginger	lb.	5.25	— 5.50
Gingergrass	lb.	2.75	— 3.00
Hemlock, 40 lb. cans	lb.	—	1.00
Juniper Berries, rect.	lb.	1.35	— 1.45
Wood	lb.	.50	— .55
Lavender Flowers, U.S.P.	lb.	3.00	— 4.50
Spike, Spanish	lb.	.80	— .90
Lemon, U.S.P., 25 lb. cop.	lb.	.75	— .85
Lemongrass, Native	lb.	.95	— 1.00
Limes, Expressed	lb.	3.00	— 3.25
Distilled	lb.	.50	— .52
Linaloe, 80 lb. cases	lb.	2.40	— 2.50
Mace, distilled	lb.	1.00	— 1.10
Mirbane, ref., see Aromatic Chemicals			
Mustard, natural, 1 lb. bot.	lb.	—	17.00
Artificial	lb.	—	3.00
Neroli, Bigarade	oz.	8.00	— 20.00
Petal	lb.	10.00	— 25.00
Artificial	lb.	10.00	— 14.00
Nutmeg, U.S.P.	lb.	1.00	— 1.10
Orange, bitter	lb.	2.15	— 2.20
Sweet, West Indian	lb.	2.75	— 2.80
Italian, 25 lb. cop.	lb.	3.10	— 3.25
Origanum, 55 lb. cans	lb.	.25	— .30
Parsley	lb.	5.00	— 5.50
Patchouli	lb.	9.00	— 11.00
Pennyroyal, domestic	lb.	—	1.75
Imported	lb.	1.10	— 1.20
Peppermint Natural, tins	lb.	1.85	— 1.95
Redistilled, U.S.P.	lb.	2.10	— 2.25
Japanese, thrice rect.	lb.	1.60	— 1.65
Petit Grain, So. America	lb.	1.65	— 1.70
French	lb.	1.75	— 8.00
Pinus Sylvestris	lb.	—	1.75
Pumilio, U.S.P.	lb.	—	3.00
Rose, French	oz.	—	10.00
Bulgarian	oz.	7.50	— 8.00
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Tech.lb.	.44	— .50
Ruelb.	3.25	— 3.75
Sandalwood, East Indian...lb.	7.10	— 7.25
West Indianlb.	—	4.00
Sassafras, natural, 50 lb. cans...lb.	—	.85
Artificial ....lb.	.45	— .46
Savin ....lb.	4.00	— 4.25
Spearmint ....lb.	3.00	— 3.50
Spice, 40 lb. cans....lb.	—	1.00
Tansy, Amer. ....lb.	—	11.00
Tar, bbls. ....gal.	.28	— .30
Refined, U. S. P., cans....gal.	—	1.00
Thyme, red, U.S.P. ....lb.	1.05	— 1.15
White, U.S.P. ....lb.	1.15	— 1.25
Crude ....lb.	.95	— 1.00
Vetivert, Bourbon ....lb.	4.75	— 6.00
Java ....lb.	17.50	— 24.00
Wine, heavy ....lb.	—	2.75
Wintergreen, sweet birch....lb.	2.25	— 2.40
Gaultheria Genuine ....lb.	7.00	— 8.00
Synthetic, U.S.P., bulk....lb.	.35	— .40
Wormseed Baltimore ....lb.	3.00	— 3.15
Wormwood Dom. ....lb.	11.50	— 12.00
Ylang Ylang, Bourbon....lb.	9.00	— 10.00
Manila ....lb.	22.50	— 30.00
Artificial ....lb.	—	10.00

Oleoresins

Aspidium (Malefern) ....lb.	2.75	— 3.00
Capsicum ....lb.	2.75	— 3.00
Cubeb ....lb.	6.40	— 6.50
Ginger ....lb.	2.60	— 2.75
Malefern ....lb.	2.75	— 3.00
Mullein (so-called) ....lb.	—	4.00
Orris ....lb.	—	18.00
Pepper, black ....lb.	4.50	— 5.00
Vanilla ....lb.	8.50	— 9.50

Perfumers' Sundries

Almond Meal ....lb.	.28	— .30
Ambergris, black ....oz.	—	8.00
Ambergris, gray ....oz.	—	25.00
Bergamot Peel ....lb.	—	1.25
Chalk, precipitated ....lb.	.0234	— .0314
Civet ....oz.	2.75	— 3.00
Lanolin hydrous ....lb.	.12	— .15
Lanolin anhydrous ....lb.	.14	— .15
Musk Cab., pods....oz.	16.00	— 17.00
Musk, Cab., grains....oz.	25.00	— 26.00
Musk, Tonquin, grains....oz.	32.00	— 33.00
Musk, Tonquin, pods....oz.	17.00	— 19.00
Oak Moss ....lb.	.40	— .50
Orris Root, Florentine, wholelb.	.081/2	— .09
Verona ....lb.	—	.07
Powdered, Gran. ....lb.	.08	— .12
Rice Starch ....lb.	.06	— .08
Sandalwood, chips and ground lb.	.35	— .40
Talc, Italianton	38.00	— 40.00
Talc, Frenchton	20.00	— 25.00
Talc, domesticton	17.00	— 18.00

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Borneollb.	—	3.50
Citronellallb.	1.75	— 2.00
Citrallb.	3.00	— 3.50
Eucalyptollb.	.80	— .82
Eugenol ....lb.	3.25	— 3.50
Geraniol ....lb.	2.50	— 3.25
Iso-Eugenol ....lb.	4.00	— 4.25
Linalool ....lb.	4.50	— 5.50
Menthol ....lb.	5.75	— 6.00
Rhodinol ....lb.	13.00	— 15.00
Safrol ....lb.	.55	— .60

Synthetic Aromatics

Acetophenone, C.P. ....lb.	3.50	— 4.00
Amyl Acetate, C.P. ....lb.	.50	— .75
Amyl Butyrate ....lb.	2.00	— 2.10
Amyl Formate ....lb.	1.75	— 2.00
Amyl Salicylate, 100 lb. chys....lb.	1.25	— 1.40
Anisic Aldehyde ....lb.	4.00	— 4.25
Benzaldehyde, U.S.P. ....lb.	1.40	— 1.50
Free From Chlorine ....lb.	1.60	— 1.70
Benzyl Acetate ....lb.	1.25	— 1.30
Benzyl Alcohol ....lb.	1.10	— 1.25
Benzyl Benzoate ....lb.	1.35	— 1.50
Benzyl Formate ....lb.	3.50	— 3.75
Bromstyrol ....lb.	—	4.50
Cinnamic Acid ....lb.	2.75	— 3.00
Cinnamic Alcohol ....lb.	15.00	— 16.00
Cinnamic Aldehyde ....lb.	3.25	— 4.00
Citronellol ....lb.	8.00	— 10.00
Coumarin ....lb.	3.00	— 3.25
Diethyl Phthalate ....lb.	.85	— .90
Diphenyl oxide ....lb.	.85	— .90
Ethyl Cinnamate ....lb.	5.00	— 5.50
Geranyl Acetate ....lb.	5.25	— 5.50
Hellotropin ....lb.	2.75	— 3.00
Indol, C. P. ....oz.	10.00	— 11.00
Linalyl Acetate ....lb.	8.00	— 9.00
Linalyl Benzoate ....lb.	14.00	— 15.00
Methyl Anthranilate ....lb.	4.25	— 4.60
Methyl Cinnamate ....lb.	5.00	— 5.50
Methyl Paracresol ....lb.	8.00	— 9.00
Methyl Salicylate ....lb.	.35	— .37
Resale, 50 lb. cases....lb.	.33	— .34
Mirbane, rect., drums extra....lb.	.10	— .11
Musk Ambrette ....lb.	13.00	— 14.00
Musk Ketone ....lb.	9.00	— 10.00
Musk Xylene ....lb.	2.25	— 2.75
Nerolin ....lb.	2.25	— 2.60
Phenylacetaldehyde ....lb.	6.00	— 9.00
Phenylacetic Acid ....lb.	2.50	— 3.00
Phenylethylalcohol ....lb.	4.00	— 5.00
Terpenyl Acetate ....lb.	1.65	— 1.75
Terpineol, C. P. ....lb.	.45	— .50
Vanillinoz.	—	.50
Violet, artificial (Itonone)....lb.	7.50	— 8.00
Yara Yara Crystals....lb.	2.25	— 2.50

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ALUMINUM SULFATE—122 csks., A. Klipstein & Co., Rotterdam
AMINOPYRIN—20 cs., H. A. Metz & Co., Rotterdam
AMMONIUM SALTS—2 cs., Caldwell & Co., Antwerp; **Bifluoride**, 10 csks., Pfaltz & Bauer, Bremen; **Carbonate**, 11 cs., Wiebusch & Hilger, Liverpool; 20 csks., Farmers Loan & Trust Co., Liverpool; **Chloride**, 1 cse., Pfaltz & Bauer, Bremen; 14 csks., 20 cs., Wing & Evans, Liverpool; **Fluoride**, 18 csks., Jungmann & Co., Hamburg
ANNATTO—60 bgs., W. Schall & Co., Jamaica; 17 bgs., Order, Jamaica; 16 bgs., A. S. Lascelles & Co., Kingston; 100 bgs., Huth, Gillespie & Co., Kingston; 135 bgs., F. B. Vandergrift & Co., Kingston
ANTIMONY SULFIDE—15 csks., Order, London
ARGOLS—135 bgs., Tartar Chemical Co., Lisbon; 16 csks., Order, Leghorn
ARSENIC SULFIDE—2 cs., Order, London
BALSAM—10 cs., Neuss, Hesslein & Co., La Libertad; 18 cs., Dodge & Olcott, La Libertad; 8 cs., Dodge & Olcott, Cristobal; 10 cs., Neuss, Hesslein & Co., Cristobal; 15 cs., Hamburger, Polhemus & Co., Central American Ports; 6 bgs., Huesman & Co., Central American Ports
BARIUM SALTS—Carbonate, 93 csks., W. Schall & Co., Bremen; **Chloride**, 30 csks., Chemical National Bank, Hamburg; **Peroxide**, 45 drs., Order, London; **Sulfate**, 86 csks., Innis Speiden & Co., River Tyne
BARKS—20 bgs., A. Stallman & Co., Hamburg; 3 bbls., Order, Trieste; 10 cs., Anderson, Hillier Co., Hamburg; **Ranawara**, 1 cse., Order, Colombo
BEANS—Vanilla, 11 cs., Gomez & Sloan, Vera Cruz; 34 cs., J. Manheimer, Havre; 10 cs., R. Moelhausen, Guadeloupe; 43 cs., Irving National Bank, Guadeloupe; 41 cs., J. N. Limbert & Co., Bordeaux
BERRIES—Cubeb, 6 bgs., C. V. Sparhawk, Rotterdam
BISMUTH METAL—7 cs., C. Pfizer & Co., Southampton; 23 cs., Merck & Co., Southampton; 7 cs., Order, Southampton
BITUMEN—17 cs., Knauth, Nachod & Kuhne, Genoa; 10 csks., Knauth, Nachod & Kuhne, Genoa
BLANC FIXE—80 csks., 250 bgs., Order, London
BLEACHING POWDER—75 pkgs., H. Kohnstamm & Co., Liverpool; 150 pkgs., H. S. Stead, Liverpool
BRONZE POWDER—24 cs., J. E. Mandlen, Hamburg; 13 cs., M. J. Corbett & Co., Hamburg; 4 cs., Hensel, Bruckmann & Lorbacher, Bremen; 4 cs., Hensel, Bruckmann & Lorbacher, Hamburg; 20 cs., B. F. Drakenfeld & Co., Bremen; 1 cse., O. Hammel Co., Bremen
CAMPHOR—100 csks., Hensel, Bruckmann & Lorbacher, Hamburg
CARBAZOL—12 csks., A. Klipstein & Co., Liverpool
CARBON—47 cs., P. H. Petry & Co., Hamburg; 44 bgs., L. A. Salomon & Bro., Rotterdam; 1 cse., National City Bank, Bahia; 1 cse., Ladenburg Thalmann & Co., Bahia; 20 bgs., American Express Co., Bordeaux; **Blocks**, 4 csks., Morgan Crucible Co., Antwerp
CASEIN—188 bgs., Irving National Bank for Atterbury Bros., Havre; 417 bgs., Order, Buenos Aires; 300 bgs., A. Klipstein & Co., London; 181 bgs., National City Bank, Bordeaux; 67 bgs., T. M. Duché & Sons, Bordeaux

COCOA BUTTER—590 bgs., First Federal Foreign Banking Assoc., Hamburg; 244 bgs., Order, Hamburg; 169 bbls., Order, Hamburg
COLORS—2 cs., Ladenburg Thalmann & Co., Havre; 14 csks., Sandoz Chemical Works, Havre; 1 csk., L. B. Fortner & Co., Havre; 16 csks., F. Bredt & Co., Havre; 19 pkgs., Sandoz Chemical Wks., Havre; 5 bbls., Irving National Bank, Genoa; 3 bbls., Schulz & Ruckgaber, Genoa; 4 bbls., Order, Genoa; 2 csks., B. F. Drakenfeld & Co., Liverpool; 94 drs., 16 csks., Ciba Co., Antwerp; 29 cs., M. Grumbacher, Hamburg; 31 cs., Ambi Industrial Wks., Hamburg; 6 cs., Favor Ruhl & Co., Hamburg; 1 cse., Ovington Bros. & Co., Hamburg; 1 cse., Kuttroff, Pickhardt & Co., Hamburg; 2 csks., Franklin Import & Export Co., Rotterdam; 32 csks., Textile Alliance, Rotterdam; 4 cs., B. Bernard, Rotterdam; 2 csks., 1 cse., National City Bank, Rotterdam; 1 csk., 1 cse., American Exchange National Bank, Rotterdam; 13 csks., W. Van Doorn, Rotterdam; 6 csks., Order, Rotterdam; 200 csks., Heemsoth Basse & Co., Havre; 29 cs., Order, London; 1 csk., American Exchange National Bank, Liverpool; 4 bbls., H. R. Ackerman, Genoa; 6 cs., Kronfeld Saunders & Co., Bremen; 1 cse., O. Hommel Co., Bremen; **Alizarine**, 24 csks., 1 cse., Kuttroff, Pickhardt & Co., Rotterdam; **Bronze**, 1 cse., E. J. Glassman, Hamburg; 5 cs., P. C. Kuyper & Co., Bremen; 12 cs., 7 drs., T. Riessner, Hamburg; 12 cs., P. C. Kuyper & Co., Bremen; **Coal Tar**, 19 csks., Ciba Co., Hamburg; **Earth**, 2 cs., Fezandie & Sperle, Antwerp
CREOSOTE SALT—612 bgs., Order, London
CUTTLEFISH BONE—25 bbls., Order, Bordeaux
DEXTRIN—150 bgs., Stein, Hall & Co., Rotterdam
EXTRACTS—Campeche Wood, 71 bbls., H. W. Peabody & Co., Cristobal; **Logwood**, 14 bbls., T. S. Todd & Co., Mont. Crispy; 100 csks., United Fruit Co., Kingston
FLOWERS—Chamomile, 16 cs., Kuechler & Co., Trieste; **Chrysanthemum**, 51 bbls., A. Joensson & Co., Trieste; 28 bbls., Order, Trieste
GELATINE—25 cs., Cox Gelatine Co., Glasgow; 1 cse., American Express Co., Bremen; 24 cs., American Express Co., Rotterdam; 48 bbls., P. Puttmann, Antwerp; 1 cse., Pfaltz & Bauer, Hamburg; 2 cs., U. S. Forwarding Co., Hamburg
GLAUBER SALT—199 csks., Globe Shipping Co., Hamburg
GLUE—100 bgs., American Express Co., Liverpool
GUMS—10 cs., W. J. Wrigley & Co., Alexandria; 60 bgs., Order, London; 2 cs., Order, London; 227 bgs., Wolf & Co., London; 616 bgs., Orbis Products Trading Co., Bordeaux; 111 csks., T. M. Duché & Sons, Bordeaux; 1,050 bgs., Thurston & Braidich, Port Sudan; 703 bgs., Brown Bros. & Co., Port Sudan; 250 bgs., T. M. Duché & Sons, Port Sudan; **Chicle**, 28 bgs., J. A. Medina & Co., Vera Cruz; 58 bbls., J. A. Medina & Co., Progreso; **Copal**, 100 cs., L. C. Gillespie & Sons, Singapore; 60 bgs., Order, Antwerp; 15 bgs., J. W. S. Patterson & Co., Liverpool; **Damar**, 140 bgs., Baring Bros. & Co., Singapore; 150 cs., Smith & Schipper, Singapore; 100 cs., Order, Singapore; **Gamboge**, 6 cs., Order, London
HERBS—8 bbls., A. Henning, Trieste; 1 bbl., Order, Trieste; **Dried**, 8 bbls., Order, London
HOPS—2 bbls., J. Sonnenschein Hop Co., Trieste; 25 bbls., J. Sonnenschein Hop Co., Hamburg
INSECTICIDE—35 drs., American Disinfecting Co., Trieste
IRON OXIDE—12 csks., C. Osborn & Co., Liverpool; 30 csks., Harrison & Van Winkle Co., Liverpool; 12 csks., Reichard Coulston, Inc., Liverpool
LEAVES—25 bbls., Peek & Velsor, Hamburg; **Laurel**, 100 bbls., Order, Leghorn; **Patchouli**, 143 bbls., Brown Bros. & Co., Penang; **Senna**, 24 bbls., Order, Port Sudan; **Thyme**, 20 bbls., Arnaud Gaidan Freres, Marseilles

LITHOPONE—100 csks., G. Kelley, Rotterdam; 100 csks., E. M. & F. Waldo, Antwerp; 200 csks., A. Klipstein & Co., Antwerp; 20 csks., National American Bank, Hamburg; 100 csks., Pfaltz & Bauer, Hamburg
LYCOPODIUM—4 cs., Order, London
MAGNESIA—20 csks., Jungmann & Co., Hamburg
MAGNESITE—230 bbls., Brown Bros. & Co., Rotterdam
MYROBALANS—1,000 pkts., W. Schall & Co., Calcutta; 1,540 pkts., Standard Bank of South Africa, Calcutta; 9,745 pkts., Order, Calcutta; **Crushed**, 643 pkts., Standard Bank of South Africa, Calcutta
NICKEL SALT—8 csks., Blackburn Trading Corp., Hamburg
OCHRE—792 bbls., Reichard Coulston, Inc., Marseilles; 150 bbls., Order, Marseilles
OILS—Colza, 10 csks., J. A. Miller, Havre; **Cottonseed**, 2 bbls., W. Van Doorn, Rotterdam; **Haarlem**, 5 cs., C. L. Huisking, Rotterdam; **Linseed**, 405 bbls., Elbert & Co., Rotterdam; 567 bbls., Patton Pitcairn, Rotterdam; 70 bbls., Netherland Chemical Co., Rotterdam; 809 tons, Balfour, Williamson & Co., Hull; 1,151 bbls., Nairn Line Co., Hull; 1,061 bbls., Order, Hull; **Medicinal**, 65 drs., J. B. Berry Sons & Co., Liverpool; **Mineral White**, 10 drs., Order, London; **Olive**, 4 bbls., A. Pelosi, Naples; 50 cs., Order, Naples; 6 csks., P. Romano, Naples; 5 bbls., 21 cs., J. Judwery, Naples; 19 pkgs., Hudson Forwarding & Shipping Co., Naples; 5 cs., L. Serra, Naples; 38 cs., B. Tommarco, Naples; 12 csks., General Transport Co., Naples; 23 bbls., Montarath, Naples; 25 cs., A. A. Orlando, Genoa; 622 cs., W. A. Taylor & Co., Barcelona; 275 cs., Equitable Trust Co., Barcelona; 1,621 cs., 160 bbls., 9 csks., Order, Leghorn; 32 cs., C. Perceval Inc., Bordeaux; 75 cs., 1 bbl., Peoples Trust Co., Genoa; 200 cs., Latoracca Bros., Genoa; 100 cs., J. Della Monica, Genoa; 50 cs., P. Waterbury, Genoa; 130 cs., J. Solari & Co., Genoa; 175 cs., Cellas, Inc., Genoa; 410 cs., M. P. Tribuno, Genoa; 200 cs., C. B. Comanny, Genoa; 4 csks., G. Gagliardi, Genoa; 2,400 cs., 100 csks., Order, Genoa; 6 bbls., Hudson Forwarding & Shipping Co., Naples; 10 cs., A. Donato, Naples; 10 cs., 4 bbls., Gallagher & Ascher, Naples; 10 cs., G. Ascione, Naples; 6 bbls., G. Parfano, Messina; 4 bbls., B. Gabriele, Messina; 7 csks., Colombo Co., Palermo; 100 cs., J. E. Cristiani, Genoa; 100 cs., National Bank of Commerce, Genoa; 30 cs., Smith & Nessel, Genoa; 15 cs., G. Micheli, Genoa; 300 cs., Musa Bros. & Co., Genoa; 375 cs., Caldwell Co., Genoa; 60 cs., A. Massart, Genoa; 400 cs., Irving National Bank for Ayello, M. Genoa; 110 cs., E. Mezzadri & Co., Genoa; 65 cs., J. Garneau & Co., Genoa; 20 cs., C. H. Arnold & Co., Bordeaux; 105 cs., Orbis Products Trading Co., Marseilles; 60 bbls., Banco Commerciale Italiano, Marseilles; 2 csks., R. Manfredo, Naples; 3 cs., A. Cassino, Naples; 23 pkgs., General Transport Co., Naples; 29 pkgs., Patria & Hudson Forwarding Co., Naples; 1 csk., 1 cse., Order, Naples; 118 pkgs., Hudson Forwarding & Shipping Co., Naples; 243 pkgs., Colombo Co., Naples; 32 cs., C. B. Richard & Co., Naples; 2 csks., C. B. Richard & Co., Naples; 20 csks., G. Saitta, Naples; 3 csks., Order, Naples; 200 bbls., Irving National Bank, Smyrna; 50 bbls., Order, Smyrna; 187 bbls., Order, Salonica; 239 csks., Order, Marseilles; 67 cs., H. Kellogg & Sons, Bordeaux; **Palm**, 13 csks., Order, Liverpool; **Rap**, 5 bbls., Kuh & Valk Co., Hull; 20 bbls., E. H. Kellogg & Co., Hull; 150 bbls., National City Bank, Hull; 305 bbls., Order, Hull; 1,500 bbls., Vacuum Oil Co., Hull; **Tanning**, 3 bxs., A. C. Lawrence Leather Co., Bahia
OIL ESSENTIAL—1 cse., G. W. Sheldon & Co., Hamburg; 7 cs., Fritzsche Bros., Hamburg; 2 bbls., 16 cs., Polaks Frutal Wks., Inc., Rotterdam; 2 cs., Order, London; 200 cs., East River National Bank, Messina; 50 cs., Heidelberg, Ickelheimer & Co., Messina; 135 cs., Order, Messina; 595 cs., Leghorn Trading Co., Catania; 20 cs., Barclay Co., Catania; 4 csks., Bank of New York, Havre; 1 cse., C. Joricheff, Trieste; 8 pkgs., General Express Co., Naples; 7 cs., Kuech-

- ler & Co., Trieste; 2 cs., Morana, Inc., Antwerp; 18 bbls., G. Cottone, Bordeaux; 17 cs., Lautier Fils, Marseilles; 6 cs., Ungerer & Co., Marseilles; 8 cs., Morana, Inc., Marseilles; 1 cse., Chemical National Bank, Hamburg; Bay, 2 cs., R. Moellhausen, St. Lucia; 9 cs., Santoni & Co., Arroya; Chaulmoogra, 25 drs., National City Bank, Calcutta; Almond, 4 cs., J. Manheimer, Marseilles; Citronella, 5 drs., Goldman, Sachs & Co., Colombo; Geranium, 70 pkgs., Davies, Turner & Co., Marseilles; 4 csks., Bank of the Manhattan Co., Marseilles; Lime, 10 cs., Middleton & Co., Dominica; Lemon, 150 bxs., Order, Palermo; Orange, 30 cs., Huth, Gillespie & Co., Kingston; 5 csks., J. Manheimer, Marseilles; Rose, 10 cs., Order, London; Ylang Ylang, 11 cs., Davies, Turner & Co., Marseilles
- OPIUM**—55 cs., Order, Salomica
- OSSEINE**—1,590 sks., J. O. Whitten & Co., Bordeaux
- PAW PAW JUICE**—18 cs., Order, London
- PIASSAVA**—1,162 bbls., Order, Bahia; 1,996 bbls., Order, Bahia
- PLUMBAGO**—227 bbls., Order, Colombo; 30 bbls., H. W. Peabody & Co., Colombo
- POTASSIUM SALTS**—Alum, 30 bbls., Nicholas & Co., Bremen; 14 cs., 48 csks., Blackburn Trading Corp., Hamburg; Bromide, 12 cs., Order, Hamburg; 74 cs., Blackburn Trading Corp., Hamburg; Chlorate, 200 drs., Order, Marseilles; Chromate, 12 csks., Pfaltz & Bauer, Bremen; Hydroxide, 22 csks., Pfaltz & Bauer, Bremen; Sulfate, 100 bbls., A. Vogel, Bremen; 2,000 bgs., A. Vogel, Hamburg; 33 bbls., A. Vogel, Bremen
- QUININE**—14 cs., R. W. Greeff & Co., Rotterdam
- REFUSE LAC**—1,000 bgs., Bank of the Manhattan Co., Calcutta
- RENNET POWDER**—2 cs., Heidelbach Ickelheimer & Co., Hamburg
- RESIN**—Odoriferous, 6 cs., Ungerer & Co., Marseilles
- ROOTS**—17 bgs., J. L. Hopkins & Co., Hamburg; 14 bbls., Anderson, Hillier Co., Hamburg; Alkanet, 13 csks., Order, Hamburg; Arrow, 1 bx., A. Samuel, Antigua; Broom, 144 bbls., H. Triest & Co., Vera Cruz; 100 bbls., Parsons Trading Co., Vera Cruz; 200 bbls., Order, Vera Cruz; Canagria, 187 bbls., Order, Vera Cruz; Dandelion, 44 csks., Order, Hamburg; Ipecac, 1 cse., M. A. De Leon & Co., Cristobal; Orris, 340 bgs., Order, Leghorn; Rhubarb, 12 cs., Order, London; 12 cs., M. J. Schoenegan, London; Sarsaparilla, 25 bbls., H. Triest & Co., Vera Cruz; 10 bbls., Order, Vera Cruz
- ROSIN**—32 cs., Kuechler & Co., Trieste
- SAFROL**—5 drs., Fritzsche Bros., Hamburg
- SAL AMMONIAC**—75 csks., Roessler & Hasslacher Chemical Co., Rotterdam; 211 csks., National American Bank, Hamburg
- SEED**—11 bgs., Order, Trieste; 73 bgs., W. J. Bush, St. Nazaire; 8 bgs., Anderson Hillier Co., Hamburg; Anise, 250 bgs., Order, Barcelona; Colchicum, 164 bgs., Order, Hamburg; Fenugreek, 175 bgs., Order, Liverpool; Fennel, 50 bgs., Order, Salomica; Flax, 16,205 bgs., Order, Buenos Aires; 16,914 bgs., L. Dreyfus & Co., Buenos Aires; 10,215 bgs., American Linseed Co., Buenos Aires; 81,622 bgs., Order, Buenos Aires; 34,093 bgs., L. Dreyfus & Co., Buenos Aires; 3,246 bgs., Ladd & Tilton Bank, Taku Bar; 37,967 bgs., Order, Rosario; Rape, 1,097 bgs., Ladd & Tilton Bank, Taku Bar
- SEED LAC**—6 bgs., Order, Calcutta
- SEIGNETTE SALT**—100 csks., W. Neuberger, Rotterdam
- SENNA**—Siftings, 16 bbls., Order, Port Sudan
- SHELLAC**—425 bgs., Brown Bros. & Co., Calcutta; 600 bgs., E. E. Androvetta, Calcutta; 200 bgs., Fruhling & Goshen, Calcutta; 150 bgs., Bank of British West Africa, Calcutta; 300 bgs., London & Brazilian Bank, Calcutta; 2,660 bgs., Order, Calcutta; 125 bgs., Order, London; 200 bgs., Order, Calcutta
- SILVER SULFIDE**—9 cs., Mercantile Bank of the Americas, South American Ports
- SOAP**—108 cs., G. Borgfeldt & Co., Hamburg; 6 bbls., Rang & Co., Bremen; 30 cs., E. A. Sunton, Barcelona; 2 cs., Order, Barcelona; 21 cs., Hensel Bruckmann & Lorbacher, Hamburg
- SODIUM SALTS**—Fluoride, 100 bgs., Jungmann & Co., Hamburg; Hydrosulfate, 200 csks., Weisenthal & Co., Hamburg; 10 kgs., Order, Liverpool; Nitrate, 75,376 bgs., Antony Gibbs & Sons, Ltd., Ostend; Sulfide, 74 drs., 37 drs., C. S. Grant & Co., Bremen
- SPICES**—Cassia, Fistula, 19 bgs., Middleton & Co., Dominica; Chillies, 577 bgs., Order, Liverpool; Cinnamon, 100 bbls., Fidelity International Trust Co., Colombo; 1 cs., Goldman Sachs & Co., Colombo; Quills, 100 bbls., Chase National Bank, Colombo; Ginger, 56 bgs., Order, London; 50 csks., Order, Hongkong; 31 bgs., Order, Jamaica; 1 bbl., A. Papalia, Mayaguez; 2 bxs., Cottman & Co., Dominica; 1,720 bgs., Order, Cochín; 370 bgs., Order, Calicut; 16 bgs., A. S. Lascelles
- & Co., Kingston; 255 bgs., Colonial Bank, Kingston; 17 bgs., Park, Benziger & Co., Kingston; 18 bgs., Huth, Gillespie & Co., Kingston; Mace, 4 cs., Wertheimer & Sons, London; 14 cs., Order, Penang; Mustard, 150 cs., Order, Bordeaux; Nutmegs, 82 cs., Catz American Co., Rotterdam; 50 bgs., Merchants National Bank, Trinidad; 40 bgs., Smith & Schipper, Singapore; 100 cs., Order, Singapore; 150 bgs., Order, Penang; Paprika, 3 cs., U. S. Forwarding Co., Trieste; Pepper, 1,040 bgs., Order, Calicut; Black, 401 bgs., Order, Cochín; Pimento, 69 bgs., J. E. Kerr & Co., Jamaica; 160 bgs., Guaranty Trust Co., Kingston; 519 bgs., American Finance & Commercial Co., Kingston; 800 bgs., W. Schall & Co., Jamaica Ports; 250 bgs., Order, Jamaica Ports
- STEARINE**—Degras, 105 bbls., Borne, Scrymgeour, Liverpool
- STICKLAC**—168 cs., Order, Bangkok
- SUMAC**—350 bgs., A. Klipstein & Co., Palermo; 700 bgs., Neumann & Co., Palermo; 350 bgs., Medit. & Gen. Traders Co., Palermo; 250 bbls., Order, Palermo; 10 bgs., Order, Trieste; 6 bbls., Markanian Bros., Beyrouth
- TALC**—2,600 bgs., Italian Discount & Trust Co., Genoa; 300 bgs., C. B. Chrystal, Genoa; 500 csks., Hammill & Gillespie, Bordeaux; 900 csks., L. A. Salomon & Bro., Bordeaux; 400 bgs., L. A. Salomon & Bro., Genoa
- TAPIOCA FLOUR**—208 bgs., Order, Liverpool
- TARTAR**—30 csks., Tartar Chemical Works, Naples; 85 csks., C. Pfizer & Co., Marseilles
- TEA WASTE**—1,006 bgs., Maywood Chemical Works, Calcutta
- TURMERIC**—80 bgs., Order, Cochín
- VENETIAN RED**—50 csks., J. L. Smith & Co., Liverpool
- WAX**—8 bgs., Yglesias & Co., Samana; 440 pkgs., Strohmeier & Arpe, Lisbon; 85 cs., First National Bank, Havre; 37 bgs., Order, Manzanillo; 7 bgs., Cordillera Comm. Co., Puerto Plata; Carnauba, 34 bgs., National City Bank, Recife; 16 bgs., Order, Recife; Paraffin, 285 bgs., Order, Liverpool
- WINE**—Medicinal, 450 cs., Order, Bordeaux
- ZINC SALTS**—Nickelate, 24 cs., L. C. Hirsch & Co., Hamburg; Oxide, 66 csks., L. H. Butcher & Co., Liverpool; Sulfide, 2 cs., Schrader & Ehlers, Hamburg; 1 cse., Order, London; White, 200 csks., B. F. Drakenfeld & Co., Rotterdam; 150 bbls., Reichard Coulston, Inc., Marseilles

A merger of five copper companies including Kennecott, Utah, Chile, Braden and Mother Lode, was rumored in Wall Street last week. On the strength of the report Kennecott moved up $2\frac{3}{4}$ points; Utah $1\frac{1}{4}$; Granby Consolidated 2; Anaconda 7-8; Chile 7-8, and Nevada Consolidated $\frac{3}{4}$. Rumors were circulated in the Street that some of the companies will soon resume dividend payments. Mother Lode, which is controlled by Kennecott, is expected to resume dividend payments next month, and it was predicted that the parent company will also resume payments at the rate of \$4 annually.

The report of the Anaconda Copper Mining Co., shows a loss of \$16,999,555, during 1921, including \$5,243,669 charged to interest and depreciation and \$5,680,503 to maintenance of properties during non-operating periods. The sum charged off for "adjustment of inventories" was \$2,886,673. The remainder was in liquidation of stocks.

The Utah Copper Co. reports for 1921 a net loss of \$2,058,109 after all deductions for operating expenses, interest depreciation and other charges. After the payment of \$4,061,225 for dividends, the deficit amounted to \$6,119,334, reducing the profit and loss surplus to \$38,058,088.

The Chile Copper Co. sold 67,823,964 pounds of copper at 13.793 cents, for \$9,359,266 in 1921, according to the annual report by Daniel Guggenheim, president. The net loss from the year's operations amounted to \$983,832.

The New York State Labor Department reports a reduction in average earnings during April in the oil products industries, which was manifested mainly in the manufacture of soap and candles and in the refining of crude oil. A slight loss was reported in the miscellaneous chemical products, and the drug and chemical industries.

A composition with creditors has been made by the Vitreous Enameling & Stamping Co., Inc., 1381 Sedgwick ave., on a basis of 25 per cent.

The Crystal Chemical Co. has been organized at Los Angeles, Cal., to manufacture chemicals from the by-products of sugar factories.

E. Bilhuber, representing the Knoll proprietary specialties, has moved to 25 W. Broadway, between Park Place and Barclay st.

J. D. Lowery, formerly with the Butterworth-Judson Corp., is now connected with the Kalbfleisch Corp., 200 Fifth ave., New York.

Judgment for \$154, against the Drug and Dyestuff Corp. and Walter A. Giule, Jr., has been entered by D. L. Weil, receiver.

The United Lead Co.'s white lead factory at Perth Amboy, N. J., was destroyed by fire, May 16, with loss of \$1,000,000.

The Riker Laboratories have obtained judgment for \$111.69 against Jessie F. May.

The Madison Chemical Co., New York, has moved to 408 W. 13th st.

Wants & Offers

Rate—All classifications, \$1.00 an issue for 20 words or less, additional words, 5c each, per issue.

Payment—Must accompany order, add 10c if replies are to be forwarded.

Address "Wants & Offers"
DRUG & CHEMICAL MARKETS
3 Park Place, New York.

BUSINESS OPPORTUNITIES

EXCEPTIONAL opportunity for men and women introducing household necessities. Give age, etc. W. T. Rawleigh Co., Galena Street, Freeport, Ill.

A FIRM in Pittsburg representing several large chemical manufacturers desires a few additional commission accounts. Box 165, DRUG & CHEMICAL MARKETS.

WE have a plant equipped with the following machinery: autoclaves; filter presses; pumps; lead and wood tanks; jacketed enameled kettles; driers; steam and electric power. What have you to offer manufacturing in such plant. Box 169, DRUG & CHEMICAL MARKETS.

WANTED to rent a plant, or arrange with a plant now running, to grind from five to ten tons daily blast furnace slag to 100 mesh, mix this with another powder and bag. Preferred location New Jersey or Eastern Pennsylvania. Box 149, DRUG & CHEMICAL MARKETS.

WANTED Pharmaceutical chemist with ten to twenty-five thousand dollars to invest, together with services, in a going pharmaceutical business. References and investigation exchanged. Box 135, DRUG & CHEMICAL MARKETS.

WE offer to do special formula work, including the manufacture of toilet specialties and flavoring extracts under customer's label at reasonable prices. Frank S. Betz Company, Chicago—Hammond, Ind.—New York.

BUSINESS OPPORTUNITIES

ASK THE Bureau of Employment of the Chemists' Club (Agency) 52 East 41st Street, New York City. If you need a chemist (man or woman) for the laboratory or works. If you wish a position for the practice of your profession. No charge to employers. Moderate fee to applicants. Prof. Herbert R. Moody, Chairman Club Committee.

FINANCIAL

NOTICE is hereby given that the partnership heretofore existing between Clayton F. Shoemaker and Miers Busch, under the firm name of Shoemaker & Busch, has been dissolved. All parties indebted to the said firm are requested to make payment, and all creditors of the said firm to present their claims to Miers Busch, who will continue to carry on the business, trading as Shoemaker & Busch, at 511-515 Arch Street, Philadelphia, Penn. (Signed) Clayton F. Shoemaker—Miers Busch.

HELP WANTED

EXPERIENCED crude drug man who can classify dry stock, one evening each week. Extra pay. Botanical. Box 167, DRUG & CHEMICAL MARKETS.

TABLET man wanted by pharmaceutical manufacturing house. Must be thoroughly experienced and able to do first class work. Give full particulars as to training and experience in first letter. Box 168, DRUG & CHEMICAL MARKETS.

HELP WANTED

MAN familiar with chemical trade who knows how to sell. New York and Brooklyn territory. Good opportunity. Give all details in first letter. Box 166, DRUG & CHEMICAL MARKETS.

PHARMACEUTICAL salesman to represent large well established middlewest manufacturer selling drug trade direct. Box 163, DRUG & CHEMICAL MARKETS.

SALESMEN acquainted with druggists and doctors to handle non-secrets and pharmaceuticals. State experience, territory and references. Box 162, DRUG & CHEMICAL MARKETS.

SALESMAN wanted for Philadelphia district by large dyestuff manufacturer. State past experience, salary expected and references. Box 160, DRUG & CHEMICAL MARKETS.

WANTED—experienced salesmen, real hustlers, to sell pharmaceuticals and pharmaceutical chemicals. Commission and bonus. Only real workers need apply. Box 159, DRUG & CHEMICAL MARKETS.

REPRESENTATIVES wanted by importers and manufacturers of quality preparations. No competition. Districts open in United States, Canada, and Mexico. Box 158, DRUG & CHEMICAL MARKETS.

CONTINUED ON FOLLOWING PAGE

A Dye Line 40 Years Long

One of the first to realize the natural geographic advantages of Newark for manufacturing purposes was the Central Dyestuff & Chemical Co., which undertook the manufacture of an extensive line of dyestuffs back in 1898. The company makes most of the intermediates entering into the manufacture of its Acid, Basic, Chrome and Direct Colors.

Removed but a short distance from the Central plant is that of the Consolidated Color and Chemical Co. The colors made by them are augmentative to those of the Central line, including many of the important Sulphur group, so the result of these two is a complete and well-balanced line of Acid, Basic, Chrome, Direct and Sulphur Colors, as well as nigrosines, oil colors, wood stains, turkey red oils and the like.

In conjunction with these the Consolidated Color & Chemical Co. also produces a line of sizing, softening, bleaching and finishing materials, known to the trade as the "VICTORIA" products.

The products of the two companies are distributed through the sales organization of H. A. Metz & Co., Inc., having its principal office at 122 Hudson Street, New York, with branches in Boston, Providence, Chicago, Philadelphia, Charlotte and San Francisco.

In addition to these Made-in-America products we will procure for you on import licenses colors not as yet made here in sufficient quantity or of suitable quality or at reasonable prices.

This alignment of manufacturing facilities enhanced by access to goods not available here, administered by men whose equipment includes an experience of more than forty years, must appeal to all consumers of dyestuffs.



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H.A. METZ & CO. Inc.

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Chicago

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San Francisco

Wants and Offers—The Marketplace of the - - Drug and Chemical Industries

HELP WANTED

ONE experienced drug and sundries salesman. Also experienced man to sell drug store fixtures and fountain for western Pennsylvania. Box 157, DRUG & CHEMICAL MARKETS.

SALESMEN: to sell "Todd's Tonic" as exclusive or side line to drug trade. Permanent and profitable position for responsible and experienced men. Write for sales arrangement stating experience and territory desired. Harry I. Neaman, 7213-15 Hamilton Ave., Pittsburgh, Pa.

SALESMAN—By a large wholesale house. Must be thoroughly competent and experienced in selling complete line of drugs and druggist sundries, to cover the retail drug trade in New Jersey shore territory. Excellent opportunity for the right man. Federal Drug Co., Inc., 1010 Broad St., Newark, N. J.

WANTED—Man to take charge of new packaging dept. of old established Drug House. In replying give age, experience, reference, salary expected, etc. Box 153, DRUG & CHEMICAL MARKETS.

WANTED—Salesman familiar with the marketing of metallic soaps for the cement, paint and varnish trades. Box 147, DRUG & CHEMICAL MARKETS.

HELP WANTED

WANTED—Crew managers; agents, don't accept a proposition until you get our particulars and samples; money makers. Bacorn Co., Elmira, N. Y.

DETAIL MAN familiar with retail drug trade to sell pharmaceutical specialties on commission. Can be carried as a side line. Box 145, DRUG & CHEMICAL MARKETS.

DRUGS AND CHEMICALS

A CINCINNATI distributing concern now representing some of the largest chemical manufacturers, wants a few additional commission accounts. Box 144, DRUG & CHEMICAL MARKETS.

FOR SALE special quality Lime Juice bulk above standard strength, uniform color and flavor. Evans, Room 702, 53 Park Place, New York City.

GINSENG and Hydrastis dry roots for sale. Green roots and stratified seed. BOTANICAL GARDENS, 83 East Ave., West Haven, Conn.

WANTED—Special offerings of large quantities on discontinued items, close-outs, surplus materials patent medicines, medical and hospital supplies, druggist sundries, toilet articles, anything interesting to drug and department store trade. Box 148, DRUG & CHEMICAL MARKETS.

DRUGS AND CHEMICALS

SUBSCRIBER offers spot Japan Vegetable Wax at advantageous prices. Samples on request. Box 146, DRUG & CHEMICAL MARKETS.

WANTED two tons Sal Ammoniac white grey, Bluestone, Oxalic Acid, Filter Press 14 to 20 inches diameter. Globe Chemical Co., Cincinnati, Ohio.

PLANT EQUIPMENT

SURPLUS plant equipment for manufacture pharmaceutical chemicals or chemically pure products. Items in excellent condition. Box 164, DRUG & CHEMICAL MARKETS.

WANTED an immersion refractometer. Address: Chemist, The R. T. French Company, Rochester, N. Y.

WANTED semi-automatic capsule filling machine capsule size number one. Box 170, DRUG & CHEMICAL MARKETS.

WANTED purchaser for two Goulds Centrifugal Pumps, figure thirty-three hundred each, direct connected to motor. Lever Bros. Co., Cambridge, Mass.

FOR SALE zinc lined containers size 14 in. x 16 in. x 30 in. making free or returnable containers. Charleston Chemical Co., Charleston, West Va.

A contract has been awarded to Dwight P. Robinson & Co., New York, for the construction of a building to accommodate American commercial exhibits at the Brazilian Centennial Exposition to be held in Rio de Janeiro beginning Sept. 7. The building, which will be the "unofficial" exhibit building, will be constructed of American materials as far as possible. It will be purely a commercial proposition, having no direct connection with the exhibition plans of the American Government under the appropriation of \$1,000,000 made by Congress recently. Many manufacturers of drugs, dyes and chemicals are considering plans for exhibiting their products.

"New York Laws Affecting Business Corporations" is the title of a 260-page book issued by the United States Corporation Co., 65 Cedar st., New York, containing the amendments of the Legislative session which adjourned March 17 last. The dozen or more chapters cover business corporation law, general corporation law, stock corporation law, the uniform stock transfer act, monopoly provisions, "blue sky," provisions, and the fees of officials. The volume is a complete transcript of New York corporation laws, with an index which makes it easy to find any section or subject desired.

The Safety Institute of America announces that the Louis Livingston Seaman gold medal is to be awarded this year for progress and achievement in the promotion of hygiene and in the mitigation of occupational disease. Former Surgeon-General Gorgas received the Seaman Medal in 1914 in recognition of his winning fight against the disease-carrying mosquito in Panama.

New discoveries have been made of large deposits of asbestos in six different States of the Republic of Mexico. Other deposits exist and have been known for some time in Lower California and in some of the Northern States. Most of the asbestos is being imported from Canada and also obtained in Arizona.

Government officials and members of Congress left Washington Saturday last for Muscle Shoals, Ala., to attend the convention of the Southern Commercial Congress which will discuss the development of the national resources of the South and the Muscle Shoals project, now pending in Congress. The capital delegation was headed by former United States Senator Hoke Smith, of Georgia.

Parsons & Petit, agents for the Freeport Sulphur Co., have issued a report showing prices of sulfur from month to month since 1892. Another report gives statistics as to production and sale of sulfur, pyrites and sulfuric acid. These statements are published in the form of wall cards suitable for ready reference.

Chemical houses listed in the "Directory of Massachusetts Manufacturers" number 27, and drug companies about a dozen. The book is published by the Sampson and Murdock Co., Boston. The work covers all industries and gives the names of firms; manufacturers listed by towns and cities; and an alphabetical list of products.

The U. S. Board of General Appraisers has decided that ambergris, being a product of the Philippine Islands, is entitled to free entry, in a ruling sustaining a protest of M. de la Rama. The collector's assessment at 20 per cent ad valorem, under paragraph 49, is reversed.

Eugene Meyer, a director of the Allied Chemical and Dye Corp., told the New Jersey Bankers' Association about the part which the War Finance Corporation had in restoring business, by loans made to encourage agriculture.

The Netherlands Chemical Co. has leased offices in the Lamborn Building, 132 Front st., New York.

A. Lusskin & Co., have moved to 39 Cortland st., New York.

Buyers' Guide

For full particulars as to products and addresses see Index of Advertisers on the page following.

HEAVY CHEMICALS

Battelle & Renwick	Litter & Allen
Bowker Chemical Co.	Merchants Chemical Co.
Butterworth Judson Corp.	Meteor Products Co.
Church & Dwight	Mathieson Alkali Works
The Cleveland-Cliffs Iron Co.	The Miner-Edgar Co.
Commercial Solvents Corp.	Monsanto Chemical Works
Contact Process Co.	Nichols Copper Co.
Chas. Cooper & Co.	Pacific Chemical Co.
The Dow Chemical Co.	Pfaltz & Bauer
E. I. du Pont de Nemours & Co.	Protexol Corp.
Ellis Jackson & Co.	Roessler & Hasslacher Chem.
B. G. Feinberg	Semet Solvay Co.
General Chemical Co.	Solvay Process Co.
Grasselli Chemical Co.	Stein Hall & Co.
Wm. S. Gray & Co.	George F. Taylor Co.
R. W. Greeff & Co.	U. S. Industrial Alcohol Co.
Imia Speiden & Co.	Victor Chemical Works
Wm. E. Jordan & Co.	The Warner Chemical Co.
A. Klipstein & Co.	Wilckes-Martin-Wilckes Co.
	Jacques Wolf & Co.

FINE CHEMICALS

Abbott Laboratories	Litter & Allen
Baird & McGuire	Magnus, Mabce & Reynard, Inc.
Bowker Chemical Co.	Mallinckrodt Chemical Works
Chicago Starch Co.	May & Baker
Antoine Chiris Co.	Merck & Co.
Commercial Solvents Corp.	Meteor Products Co.
Commonwealth Chemical Corp.	H. A. Metz & Co.
Charles Cooper & Co.	The Miner-Edgar Co.
The Dow Chemical Co.	Monsanto Chemical Works
Eastman Kodak Co.	N. Y. Quinine & Chemical Wks.
B. G. Feinberg	Pacific Chemical Co.
E. Fougere & Co.	Pfaltz & Bauer
T. Fujisawa & Co.	Powers-Weightman-Rosengarten
Grasselli Chemical Co.	Roessler & Hasslacher Chemical Co.
William S. Gray & Co.	Stein Hall & Co.
R. W. Greeff & Co.	U. S. Industrial Chemical Co.
A. H. Higbie	Victor Chemical Works
A. Klipstein & Co.	Wilckes-Martin-Wilckes Co.
Jose Lopez	

DYESTUFFS

Butterworth-Judson Corp.	A. Klipstein & Co.
Calco Chemical Co.	H. A. Metz & Co.
Chemical Co. of America	National Aniline & Chemical Co.
Dow Chemical Co.	New Brunswick Chem. Co.
Dye Products & Chem. Co.	Newport Chemical Works
Essex Aniline Works	Sanborn Chemical Works
E. I. du Pont de Nemours & Co.	Stein Hall & Co.
Ellis Jackson & Co.	George F. Taylor Co.
Gary Chem. Co.	Jacques Wolf & Co.
Grasselli Chemical Co.	

COAL TAR PRODUCTS

Abbott Laboratories	Jordan Coal Tar Products Co.
Baird & McGuire	H. A. Metz & Company
The Barrett Co.	Monsanto Chemical Works
Butterworth-Judson Corp.	National Aniline & Chemical Co.
Calco Chemical Co.	Newport Chemical Works
Chatham Mfg. Co.	Pacific Chemical Co.
Chemical Company of America	Protexol Corp.
Commonwealth Chemical Corp.	Sanborn Chemical Works
Essex Aniline Works	The Walker Chemical Co.
E. I. du Pont de Nemours & Co.	

FATTY OILS

Antoine Chiris Co.	George F. Taylor Co.
A. Klipstein & Co.	Jacques Wolf & Co.
New Brunswick Chem. Co.	

ESSENTIAL OILS

M. L. Barrett & Co.	Magnus, Mabce & Reynard, Inc.
W. J. Bush & Co.	Morana, Incorporated
Antoine Chiris Co.	Van Dyk & Co.
Fritzsch Bros.	

CRUDE DRUGS

M. L. Barrett & Co.	A. H. Higbie
W. J. Bush & Co.	Jose Lopez
Walter Denman	Magnus, Mabce & Reynard, Inc.
E. Fougere & Co.	Morana, Incorporated
	Pfaltz & Bauer

EQUIPMENT

Buffalo Foundry & Machine Co.	Nashville Industrial Corp.
The Chemical Age	The Revue de Produits Chimique
Chemical Trade Journal	The Yakugyo Shuho



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CHICAGO,
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DETROIT,
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NEW ORLEANS,
1008 Maison
Blanche Bldg.

NEW YORK,
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Branch Sales Offices and Distributing Warehouses

NEW YORK	James A. Webb & Son, Inc., 50-52 Stone Street
BALTIMORE	A. L. Webb & Sons, Inc., 201 Maryland Trust Building
PHILADELPHIA	Pennsylvania Alcohol & Chemical Co., 141 North Front Street
BOSTON	U. S. Industrial Alcohol Co., 943 Cambridge St., E. Cambridge, Mass.
BUFFALO	U. S. Industrial Alcohol Co., 4th and Pennsylvania Streets
CHICAGO	U. S. Industrial Alcohol Co., First National Bank Building
ST. LOUIS	U. S. Industrial Alcohol Co., 1434 North Broadway
KANSAS CITY	U. S. Industrial Alcohol Co., 1409 West 10th Street
NEW ORLEANS	U. S. Industrial Alcohol Co., 1008 Maison Blanche Building
PITTSBURGH	U. S. Industrial Alcohol Co., 601 Empire Building
CLEVELAND	U. S. Industrial Alcohol Co., 374 Kirby Building
DETROIT	U. S. Industrial Alcohol Co., 616 Union Trust Building
INDIANAPOLIS	U. S. Industrial Alcohol Co., 129 North Davidson Street
CINCINNATI	U. S. Industrial Alcohol Co., Evans St. and C. H. D. R. Crossing
PEORIA	U. S. Industrial Alcohol Co.

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Ellis Jackson & Co.	—
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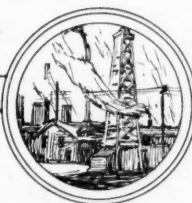
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St. Louis—Montreal—Philadelphia—New York



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